

Index

SYMBOLS

\ (backslashes), 402
! (exclamation point button), 192
+ (plus sign), Library, 101
“ (quotes) in strings, 402
#static frames, labeling, 497

NUMBERS

3d plastic effects (text), creating,
137-138, 151-152

A

A HREF tag, 398
actions
 ActionScripts, adding to, 311
 frame actions, 315
 fscommand, 500

getURL, creating hyperlinks,
398, 401
gotoAndPlay, frame labels,
314
Load Movie, 416-417
parameters, looping movies,
311

Actions panel

ActionScripts, 308
Current Script tab, 309
Help button, 309
Navigator pane, 309
Options toolbar, 309-310
Pin Script button, 309
Script Assist button, 309
Script Category, 309
Script pane, 309
Toolbox, 308

ActionScripts, 307

actions, adding to, 311
Actions panel, 308
Flash Player updates, 486
statements, 311
syntax, 311

active layers

- active layers, pencil icon, 250
- actual speed (frame rates), 163
- Add Format button (Actions panel, Options toolbar), 310
- Add Guide Layer button, 263
- Add Layer button, 264-265
- Add option (blends), 121
- Add Statement button (Actions panel, Options toolbar), 309
- address bar
 - Library, 101
 - symbols, editing, 97
- addressable Movie Clip instances, 278-279
- Adjust Color option (filters), 124
- ADPCM option, sound compression, 240
- Advanced (Properties panel), 109-111
- aliases (text), 53
- alignment
 - Center Justify, 52
 - objects, 10
 - registrations, 256
 - text blocks, changing, 52
- Alpha (Opacity) (Properties panel), 109-110
- Alpha option (blends), 121
- Always Show Markers (Modify Onion Markers preset option), 181
- Anchor Onion (Modify Onion Markers preset option), 181
- anchor points, curved lines, 49
- animated GIF, 496
- animations, 159, 166-169
- anticipation techniques, 465-467
- attention getting techniques
 - building interfaces, 460-461
 - flashing screens, 460
- bouncing balls, creating, 260-263
- CCW (counterclockwise) rotation, 204
- circles, 248-250
 - destinations, overshooting, 468
 - squashing, 466
- creating, 4-5
- CW (clockwise) rotation, 204
- depth, simulating, 469
 - layering objects, 473
 - relative speed, 474
 - scaling objects, 472-473
- Ease In and Ease Out, 200-203
 - finishing where starting, 198-200
 - .fla file extension, 176
 - flashing screens, 460
 - flickering effects, 462
 - flip-books, 173
 - focus, defining, 248
 - fooling the viewer techniques
 - implying motion, 461-464
 - natural-looking images, 461
 - old-time movie effects, 462
 - opposites of expectations, 462
- frames
 - actual speed, 163
 - contents, viewing with Onion Skin tools, 179
 - effective speed, 163
 - frame rates, 27, 160-164, 182
 - Frame Shape, 258
 - interpolated, 196-197, 213
 - keyframes, 4, 165, 200-205, 220, 476
 - motion, implying, 183-184
 - Onion Skin tool markers, 180
 - pauses, 182-183
 - red current frame marker, 175-176, 179, 196-197
 - stick-man-takes-a-walk example, 174-179
 - Timeline, 160-161
 - tweening, 170, 191, 213
 - two-frame theory, proving, 184
- Graphic symbols
 - locking to Timeline, 278
 - movies, effects on download order, 280
 - previewing, 277
 - scrubbing, 277
- Guide Layers
 - off-limits areas, defining, 256-259
 - registrations, 255-256

animations

- text, placing, 259
- horizons, drawing mountains, 476
- interfaces, building, 460-461
- Keyline (Masked layer), 265
- layers, 14, 247
 - circle animations, 248-250
 - contents, viewing, 253
 - creating, 249
 - editing, properties for, 250-252
 - Folder (layer property), 252
 - Frame Shape, 258
 - Guide Layer, 252, 255-256
 - hiding, 252-254
 - inserting, 258
 - Layer Folders (layer property), 252
 - Layer Name (layer property), 251
 - Lock/Unlock Layer (layer property), 251
 - managing, 254
 - Mask Layer (layer property), 252, 263-266
 - Motion Guide Layer (layer property), 252, 260-263
 - Normal (layer property), 251
 - outlining, 252-254
 - Show Layer as Outlines (layer property), 251
 - Show/Hide Layer (layer property), 251
- visual effects, properties for, 255-256
- mapping points, 215
- Mask Layer, 252, 263
 - Skyline, 265
 - spotlight effects, creating, 264-266
- Modify Onion Markers, 180-181
- Motion Guide Layer, 252, 260-263
- Motion Tweens
 - animations, Ease In and Ease Out, 200, 203
 - animations, finishing where starting, 198-200
 - automatically setting, 198
 - Color tweening instances, 194-197
 - Create Motion Tween, 196
 - creating, 189-190
 - fine-tuning, 198
 - instance properties, changing, 195
 - interpolated frames, 213
 - keyframes, 198
 - Motion Guide Layers, 260
 - no-man's-land, 196
 - patterns, 197
 - Position tweening instances, 194-197
 - rotating in, 204-205
 - Rotation tweening instances, 194-197
 - rules, 192
 - Scaling tweening
- instances, 194-197
- Tint color style for instances, 195
- tweening instances, 193
- motion, implying, 461-464
- Movie Clip
 - addressable instances, 278-279
 - behavior, 272
 - download order, effects on, 280
 - frame rates, 160-164, 276
 - instances behavior, 276
 - previewing, 277
 - rotating wheels, creating, 272-274
 - scrubbing, 277
 - symbol behavior, 272
 - symbols and Graphic symbol comparisons, 274-278
 - natural-looking images, 461
 - old-time movie effects, 462
- Onion Skin tool
 - Always Show Markers (Modify Onion Markers preset option), 181
 - Anchor Onion (Modify Onion Markers preset option), 181
 - Edit Multiple Frames (Modify Onion Markers preset option), 181-182
 - End Onion Skin marker, 179-180
 - Onion 2 (Modify Onion

animations

- Markers preset option), 181
 - Onion 5 (Modify Onion Markers preset option), 181
 - Onion All (Modify Onion Markers preset option), 181
 - Onion Skin Outlines (Modify Onion Markers preset option), 181
 - Start Onion Skin marker, 179-180
 - overkill techniques, 467-468
 - perspective, 469-471
 - Picture of Ball, 262
 - playback buttons, adding, 320-322
 - point of view
 - changing, 475-476
 - controlling, 474-475
 - red current frame marker, 160-161
 - Registration layer, Frame Shape, 257
 - rotoscoping video, 381-382
 - scrubbing, 160-162
 - Shape Tween
 - checkerboard effect, 212
 - creating, 210
 - fine-tuning, 215
 - interpolated frames, 213
 - lines and fills, avoid mixing, 212
 - morphs, 209
 - Motion Tweens, 214
 - rules, 211
 - Shape Hints, 215-220
 - simplifying, 211-212
 - text, 211
 - vertical lines, dragging, 216
 - sound, 462
 - compression types, setting, 239
 - DAT, 237
 - Effect settings, 232-234
 - efficiency, 242-243
 - export settings, 238-242
 - file size versus quality, 236-243
 - filtering files, 226
 - frame rates, 232
 - global publish settings, 238-240
 - importing, 223-227
 - keyframes, 227
 - Loop settings, 234-236
 - panning, 234
 - Properties panel, 228
 - Publish Settings dialog (Flash tab), 239
 - quality versus file size, 236-243
 - rollover sound, 230-231
 - sound effects, 235-236
 - Sound Properties dialog, 241-242
 - Synch settings, 231
 - Time In/Out markers, 234
 - waveforms, displaying, 228
 - spotlight effects, 264-266
- Stick-man-takes-a-walk example
 bending leg, 175
 Frame View, changing, 177
 Frame View, previewing in, 178
 keyframes, editing, 177
 line drawings, advantage, 174
 Onion Skin tools, 177-179
 Playing, 176
 Scrubbing, 176
 Test Movie, 176
 .swf file extension, 176
 symbols, instance/master names, 279
 text, breaking apart, 287-288
- Timeline**
- Background layer, 166
 - current frame number, 162
 - current time, 162
 - displaying, 167
 - Flash layer, 166
 - frame rates, 162
 - keyframes, 177
 - M layer, 166
 - resizing, 167
 - Sparkle layer, 166
 - timing, 162
 - X layer, 166
 - tweening, 169
 - viewing, 5
 - visual effects, layer properties, 255-256
 - Yo-Yo, creating, 198-200

bitmapped graphics

- anti-aliasing text, 53
anticipation (animation techniques), 465-467
Arrange command (Modify menu), 114
Arrow tool, 11, 53-54
artwork (original)
 - Arrow tool, 53-54
 - attributes, selecting, 60-61
 - Brush tool, 42-45
 - drawing, 33-34
 - Dropper tool, 60-61
 - fills, painting, 42-46
 - Free Transform tool, 62-64
 - Hand tool, 35-37
 - Ink Bottle tool, 47
 - keyboard shortcuts, 35
 - Lasso tool, 56
 - Line tool, 38-39
 - lines
 - changing, 38-39
 - drawing, 38-39
 - objects
 - connecting, 65-67
 - selecting, 53-56
 - transforming, 53-54, 62-64
 - Oval tool, 45-46
 - Paint Bucket tool, 42-47
 - painting, 33-34
 - Pen tool, 47-50
 - Pencil tool, 38-39
 - Rectangle tool, 45-46
 - Selection tool, 56-58
 - shapes- drawing, 45-50, 65-67
- fills, 45-46
- lines, 45-46
- modifying, 45-47, 56-59
- selecting, 56-59
- Snap To Objects tool, 65**
- Snap tool, 65-67**
- Subselect tool, 50**
- text**
 - creating, 50-52
 - styling, 50-52
 - Text tool, 50-52**
 - vector graphics, 34
- View (Hand and Zoom) tool, 35-37**
- Zoom tool, 35-37**
- .ASF file format, 370**
- aspect ratios (Stage), 8**
- attention getting animation techniques**
 - flashing screens, 460
 - interfaces, building, 460-461
- audience, users as**
 - defining, 6-7
 - non-Flash users, directing to Flash Players, 487-488
- Audio Event dialog, 238**
- Audio Stream dialog, 238**
- auto-install features (browser), Flash Player updates, 485**
- .AVI file format, 370, 502**
- axes (X/Y), 16**
- B**
- Background layer (Timeline), 166**
- backslashes (\), 402**
- Ball layer, 261**
- balls**
 - bouncing balls, creating in Motion Guide Layers, 260-263
 - Picture of Ball, 262**
- bandwidth, video requirements, 373**
- Bandwidth Profiler, 438**
 - download times, 438-443
 - files
 - improving, 445
 - reducing sizes of, 443
 - .SWF file, statistics, 439**
 - Generate Size Report, 445
 - preloaders, 446-447
- behaviors**
 - instances
 - onstage, 275
 - Movie Clips, 276
 - symbols, changing in Properties dialog, 112
- bending**
 - circle edges, 210
 - lines, 57
- Bevel filters, creating 3D text plastic effects, 137-138, 151**
- Bevel option (filters), 123**
- Bitmap Properties dialog, 81-83**
- bitmapped graphics. *See* raster graphics**

bitmaps

- bitmaps, 33**
 - graphics, importing, 79
 - .JPG files, importing as, 77
 - movies, 436-437
 - painting with, 286-287
 - properties, adjusting, 82-86
 - Trace Bitmap dialog, 436-437
- bits, converting to bytes, 441**
- blends**
 - Add option, 121
 - Alpha option, 121
 - Darken option, 121
 - Difference option, 121
 - Hard Light, 121, 136, 149
 - Invert, 121, 137, 150
 - Layer option, 120
 - Lighten option, 121
 - Multiply option, 121
 - Normal option, 120
 - Overlay, 121, 136, 149
 - Screen option, 121
 - Subtract option, 121
 - text, 135, 148
 - highlights, creating, 136, 149
 - Invert, 137, 150
- blinking screens, 460**
- blocks (text)**
 - alignment, changing, 52
 - breaking apart, 287-288
 - shapes, converting to, 289-290
- blue tweened frames (Motion Tween), 213**
- Blur filters, 123, 294, 461**
- .bmp file extensions, 80, 83**
- bouncing balls, creating in Motion Guide Layers, 260-263**
- Box symbol, 113**
- Break Apart command (Modify menu), text, 432**
 - shapes, converting to, 289-290
 - symbols, repeating, 288
- breakpoints, adding/removing, 310**
- brightness (color), 109-111**
- Brush Modes, 45**
- Brush Shape option (Brush tool), 44**
- Brush tool, 15, 42-45**
- Button component, creating multiple buttons for portfolios, 338-340**
- buttons. *See also* individual button entries**
 - Hit state, 318-319
 - Insert Layer, 260
 - playback, adding to animations, 320-322
 - simple buttons, creating, 316-317
 - Up state, 318
- bytes, converting bits to, 441**
- C**
- calculating download times, 430**
- camera angles, changing in videos, 369**
- Captionate website, 383**
- CCW (counterclockwise) rotations, 204**
- Center Justify alignment, 52**
- Check Syntax button (Actions panel, Options toolbar), 310**
- checkerboard effect of Shape Tween, 212**
- Circle symbol instances, scales and brightness effects, 115**
- circles**
 - animating, 248-250
 - destinations, overshooting, 468
 - edges, bending, 210
 - filling, 43
 - squashing, 466
- clapper icon, 22**
- clockwise (CW) rotations, 204**
- codec (compressor/decompressor), 367**
- Color Mixer panel**
 - Add Swatch command, 127
 - colors, selecting, 125-126
 - custom color gradients, creating, 129-130
 - custom colors, creating, 125
- color sliders, 111**
- colors**
 - Advanced (Properties panel), 109-111
 - Alpha (Opacity) (Properties panel), 109-110
 - brightness, 109-111
 - Color Mixer panel, selecting from, 125-126

- custom colors, creating, 125
- custom gradients, creating, 129-130
- custom swatches, creating, 127-129
- Dropper tool, drawing artwork (original), 60-61
- fill
 - color options, 46
 - managing in Properties panel, 15-17
- Fill Color swatch, 15
- Gradient Transform tool cursors, 133
- gradients
 - custom gradients, creating, 129-130
 - transforming, 130-134
- Hex systems, 128
- HSB (Hue, Saturation, Brightness), 111, 128
- hue, 109
- instance tweening, 194-197
- Lock Fill option (Paint Bucket tool), 131-134
- registrations, 256
- RGB (red, green, and blue), 111, 128
- sampling, 126
- saturation, 111
- styles, symbol instances, 108-111
- swatches
 - custom swatches, creating, 127-129
- Fill Color swatch, 15
- navigational pitfalls, 25
- Tint (Properties panel), 109-111
- Tint color style, 110, 195
- transparency, 128
- commands**
 - Control menu, Test Movie, 203, 276
 - Edit menu, Preferences, 168
 - File menu
 - Export Movie, 503
 - Import, 80-81, 372
 - New, 15
 - Open File, 397
 - Publishing Settings, 482
 - Insert menu
 - Frame, 277
 - Keyframe, 180
 - Layer, 20
 - New Symbol, 276
 - :mailto, 406
 - Modify menu
 - Convert to Symbol, 107
 - Optimize, 443
 - Modify Onion Markers menu, Onion All, 443-444
 - Options menu, Properties, 81
 - View menu
 - Frame by Frame Graph, 440
 - Grid, 9
 - Magnification, 8
 - Rulers, 10
 - Show Shape Hints, 216
 - Work Area, 34
- Windows menu
 - Library, 235
 - Panel Sets, 18
- commercial printing, registrations, 256**
- comparing**
 - lines and fills, 431
 - symbols, Movie Clip and Graphic, 274-278
 - vector and raster graphics, 71-72
- components**
 - appearances, changing, 344-347
 - Button components, creating multiple buttons for portfolios, 338-340
 - data providers, 351-354
 - DataGrid components, 357-359
 - list components, 355-357
 - ProgressBar components, 359-361
 - Slider components, 361-363
 - defining, 334
 - populating
 - ActionScript, 337-338
 - manually, 335-337
 - RadioButton, 340-343
 - skins, manually editing, 344-345
 - styles
 - setting for all components, 347
 - setting for one component type, 346

components

- setting for single instances, 346
- Components command (Window menu),** 335
- compressing files**
 - .jpg files, 82-84
 - Lossless files, 86
- media, 437
- sounds, 435
 - ADPCM option, 240
 - Disable option, 238
 - MP3 option, 240
 - Publish Settings dialog, 239
 - Raw option, 240
 - Speech compression option, 240
- video, 367-368
- connecting**
 - endpoints of lines, 66
 - objects via
 - Snap to Objects, 65
 - Snap, 65-67
- Control menu commands, Test Movie,** 203, 235, 258, 276
- Convert to Symbol command**
 - Insert menu, 94, 113, 190, 272
 - Modify menu, 107, 114
- converting**
 - bits to bytes, 441
 - objects into symbols, 94-98
- Copy and Transform button (Transform panel),** 65
- corner shape (cursors),** 57
- corner square handles, cursor changes,** 62-63
- counterclockwise (CCW) rotations,** 204
- Create Motion Tween,** 196
- creation tools, drawing artwork (original),** 37
- cross icon,** 261
- CSS (Cascading Style Sheets)**
 - definitions, storing, 403
 - text, displaying, 403-404
- Ctrl+A keyboard shortcut,** 182, 443
- Ctrl+B keyboard shortcut,** 439
- Ctrl+C keyboard shortcut,** 249
- Ctrl+Enter keyboard shortcut,** 190, 210, 276, 420
- Ctrl+F keyboard shortcut,** 440
- Ctrl+F8 keyboard shortcut,** 276
- Ctrl+J keyboard shortcut,** 417
- Ctrl+L keyboard shortcut,** 226
- Ctrl+M keyboard shortcut,** 162, 419
- Ctrl+Shift+H keyboard shortcut,** 216
- Ctrl+Shift+V keyboard shortcut,** 265
- cue points,** 383
- current frame markers (red),** 21, 160-161
- current frame numbers, Timeline,** 162
- current frames,** 21
- current layers,** 20-21
- current scenes,** 22-23
- Current Script tab (Actions panel),** 309
- current symbols,** 22-23
- current time, Timeline,** 162
- cursors**
 - changes
 - corner square handles, 62
 - Dropper, 61
 - side handles, 63
 - corner shapes, 57
 - Falloff (Gradient Transform tool), 133
 - Fill Transform tool, 133
 - lines, bending/extending, 57
 - Move (Gradient Transform tool), 133
 - “move” symbol, 58
 - Reshape (Gradient Transform tool), 133
 - Rotate (Fill Transform tool), 133
- curves**
 - anchor points, tangents, 49
 - drawing, 49
 - Optimize Curves, movie performance, 444, 455
- Curves command (Modify menu),** 212
- Custom button (Properties panel),** 41
- custom color swatches, creating,** 127-129
- custom colors, creating,** 125
- Custom Easing setting (keyframes),** 201-204
- custom gradient colors**
 - creating, 129-130
 - transforming, 130-134

- D**
- Custom Modern Settings dialog, 440
 - Customize command (Debug menu), 440
 - customizing templates, 489-490
 - CW (clockwise) rotations, 204
- dark rings (Rectangle tool), 66**
- Darken option (blends), 121**
- DAT (digital audio tape), 237**
- data providers, 351-354**
 - DataGrid components, 357-359
 - list components, 355-357
 - ProgressBar components, 359-361
 - Slider components, 361-363
- DataGrid components, data providers, 357-359**
- Debug menu commands, 440**
- Debug Options button (Actions panel, Options toolbar), 310**
- defining**
 - aspect ratios (Stage), 8
 - handles, 64
 - HTML, 394
 - morph, 209
 - off-limit areas in Guide Layers, 257-258
 - scaling (Stage), 8
 - scrub, 162
 - symbols, 20
 - tweening, 169
- users, 6
- web server, 410
- windows, 405
- Deployment dialog, selecting embedded/external video, 372**
- depth, simulating**
 - animation techniques, 469
 - layering objects, 473
 - relative speed, 474
 - scaling objects, 472-473
- Drop Shadow filters, 292-293
- diamonds, drawing, 48**
- Difference option (blends), 121**
- Digital Video**
 - .dv file format, 370
 - .dvi file format, 370
- Disable option, sound compressions, 238**
- Display Units (Time or Frames), Edit Envelope dialog, 234**
- displaying**
 - imported sounds, 227
 - sound waveforms, 228
 - symbol names in Properties panel, 273
 - text via CSS, 403-404
 - Timeline layers, 167
 - timelines, 167
- Distort option (Free Transform tool), 63**
- distortion, transforming, 62**
- docking**
 - panels, undocking, 19
 - Timeline, undocking, 12-13
- Document command (Modify menu), 162**
- Document Properties command (Modify menu), 162**
- Document Properties dialog, 26-27, 162**
- downloading**
 - keyframing.fla files, 166, 235
 - movies, 447-448
- Bandwidth Profiler, 438-443
- calculating time, 430
- determining if fully loaded, 419-421
- via Movie Clip or Graphic symbols, 280
- dragging vertical lines via Snap on, 216**
- drawing**
 - artwork (original), 33
 - Arrow tools, 53-54
 - Brush tools, 42-45
 - creation tools, 37
 - Dropper tools, 60-61
 - Free Transform tools, 62-64
 - Hand tool, 35-37
 - Ink Bottle tools, 47
 - Lasso tools, 56
 - Line tools, 38-39
 - on the Stage, 34
 - Oval tools, 45-46
 - Paint Bucket tools, 42-47
 - Pen tools, 47-50
 - Pencil tools, 38-39
 - Rectangle tools, 45-46
 - Selection tools, 56-58
 - Snap, 65-67

drawing

Snap to Object, 65
 Subselect tools, 50
 Text tools, 50-52
 vector graphics, 34
 View tools (Hand and Zoom), 35-37
 Zoom tool, 35-37
 curved lines, 49
 diamonds, 48
 lines, 38-39, 174
 mountains on horizons, 476
 shapes, 46-50, 65-67
 squares, rolling cursor over corners, 62
 V shapes, 48
Dreamweaver, hypertext, 408
Drop Shadow filters, 123
 depth, simulating via, 292-293
 motion blurs, creating, 294
 motion, implying, 463-464
 Static Text option (Properties panel), 145
 text, creating 3D plastic effects, 138, 152
Dropper tool, 60-61
.dv file format, 370
.dvi file format, 370
Dynamic text, 433
 fonts, 145-147
 glyphs, 146
 hyperlinks, creating, 402

E

Ease In and Ease Out (animations), 200, 203
Ease setting (keyframes), 200
edit bar, navigating interfaces, 23-25
Edit Envelope dialog, 436
 Display Units (Time or Frames), 234
 Envelope handles, 233
 Envelope lines, 233
 Left Channel/Right Channel, 233
 Stop/Play, 233
 Time In/Out, 233
 Zoom In/Out, 233
Edit in Place, 97
Edit menu commands
 Paste in Place, 99, 257
 Preferences, 168, 251
Edit Multiple Frames (Modify Onion Markers preset option), 181-182
Edit Scene menu, 24, 102
Edit Symbols menu, 24, 102
editing
 keyframes
 red current frame marker, 196-197
 Stick-man-takes-a-walk animation example, 177
 layers, properties, 250-252
 shapes, 50
 symbols from address bar, 97
 video via Split video dialog, 372

Effect settings (sounds), 232-234
effective speed (frame rates), 163
effects, masking, 13
efficiency (sounds), 242-243
email, sending, 406
embedded fonts in
 Dynamic Text, 433
 Input Text, 433
embedded video
 Deployment dialog, selecting in, 372
 external video versus, 367-368
 playback controllers, creating, 377-378
 playing, 376
 QuickTime example, 372, 375
Encoding screen, selecting video quality/bandwidth requirements, 373
End Onion Skin marker, 179-180
endpoints of lines, connecting, 66
Enlarge option (Zoom tool), 36
Envelope option (Free Transform tool), 64
Envelope handles (Edit Envelope dialog), 233
Envelope lines (Edit Envelope dialog), 233
envelopees, Edit Envelopee (Properties panel), 436
Eraser tool, 11
Event (Synchh setting), 229-230
event handling, 322-323

- exclamation point (!) button, 192
Expand/Collapse arrow, 15
Export Movie command (File menu), 502-503
Export Movie dialog, 397, 502
export settings (sounds), 238-242
exported .swf file extensions, 28
exporting
 AVI videos, 502
 image sequences, 503
 media types, 502
extending lines, 57
external video
 creating, 378-380
 Deployment dialog, selecting in, 372
 embedded video versus, 368
 FLVPlayback Components, creating, 380
 playing, 375
Eye button, 251
Eyeball symbol, creating, 114
- F**
- Face symbol**, 115
Falloff cursor (Gradient Transform tool), 133
File menu commands
 Export Movie, 502-503
 Import, 80-81, 225, 372
 New, 4, 15
 Open File, 397
 Publish Preview, 395-396, 485
Publish Settings, 395, 482
Publish, 395-396, 481, 484
File Transfer Protocol. **See** **FTP files**
 .asf files, 370
 .avi files, 370
 .bmp files, 80, 83
 compressing
 .jpg files, 82-84
 Lossless files, 86
 .dv files, 370
 .dvi files, 370
 .flä files, 27-28, 176
 font outlines, 433
 .gif files, 80
 publishing, 496-499
 static graphics, 499
 global (default) quality settings, 84
 HTML
 hosting .swf file extensions, 29
 publishing, 495-496
 .html files, opening in Notepad, 397
 improving with Bandwidth Profiler, 445
 index.html, 394
 .jpg files, 80
 compressing, 82-84
 loading, 416
 non-.jpg extensions, importing, 84
 publishing, 496-499
 keyframing.flä files, download-ing, 166, 235
.mov files, 370
movies
 Bandwidth Profiler, 438-447
 bitmaps, 436-437
 download times, 430, 438-443
 downloading, 447-448
 Dynamic Text, 433
 file sizes, 429-434
 Generate Size Report, 445
 Input Text, 433
 keyframes, 434
 lines and fills, comparing, 431
 media, importing and compressing, 437
 Motion Tween, 434
 performance, improving, 453-456
 Shape Tween, 434
 sounds, 435-436, 454
 special effects, 453-454
 text, breaking apart, 432
MP3 sound, 225
.mpg files, 370-371
Notepad, opening in, 397
.pct files, 80, 83
.png files, 80, 83, 496-499
Publish Settings dialog, 29
 reducing sizes of, 100, 116, 443
sound
 filtering, 226
 size versus quality, 236-243

files

- .swf files, 28, 176, 394
- Flash tab (Publish Settings dialog), 493
- HTML file hosts, 29
- publishing, 492-494
- statistics, 439
- uploading to web servers, 410-411
- video file sizes, optimizing, 386
- .wav files, 224-225
- .wmv files, 370
- Fill Color swatch**, 15
- fills**
 - circles, 43
 - colors, 15-17, 46, 286-287
 - Gradient Transform tool, cursors, 133
 - lines
 - comparing to, 431
 - not mixing with, 212
 - Lock Fill option (Paint Bucket tool), 131-134
 - painting, 42-45
 - shapes, 45-46
- filters**, 122
 - Adjust Color, 124
 - Bevel, 123-124, 137-138, 151
 - Blur, 123
 - implying motion, 461
 - motion blurs, 294
 - Drop Shadow, 123
 - implying motion, 463-464
 - motion blurs, 294
 - showing depth, 292-293
- Static Text option (Properties panel), 145
- text, 138, 152
- Glow, 123, 144
- Gradient Bevel, 124
- Gradient Glow, 123
- presets, applying, 123
- sound files, 226
- text, 137-138, 151-152
- Find button** (Actions panel, Options toolbar), 309
- Find-and-Replace panel**, font changes, 144
- Fireworks (Macromedia), static graphics, 497-498
- .fla files, 27-28, 176
- Flash Detection Kit** (Macromedia), 486
- Flash layer** (Timeline), 166
- Flash Players**
 - movies, 483
 - uninstalling, 485
 - updating
 - ActionScripts, 486
 - addressing users, 487-488
 - browser auto-install features, 485
 - HTML, 486
 - vector graphics, importing, 78
- Flash tab (Publish Settings dialog), 238-239, 398, 483, 492-493
- Flash workspace**
 - Document Properties dialog, 26-27
- .fla files, 27-28
- Stage, 6
- aspect ratios, 8
- coordinate system, 16
- Library, 19-20
- off Stage, 7
- Properties panel, 14-20
- scaling, defining, 8
- sizes, 8
- Timeline, 12-13
- Tools panel, 11
- views, changing, 8-10
- Work Area option, 7
- zoom levels, 8
- .swf files, 28-29
- Timeline, 6
 - clapper icon, 22
 - current frame, 21
 - current layer, 20-21
 - current scene, 22-23
 - current symbol, 22-23
 - interfaces, navigating, 23-24
 - Tools panel, 6
- flashing screens, 460
- flickering effects (animations), 462
- flip-book animations, 173
- .flv files. **See** external video
- FLVPlayback Components, creating, 380. **See also** playback controllers
- focus, defining, 248
- Folder** (layer property), 252

- folders**
 - creating, 105
 - naming, 105
 - organizing Library, 105
- fonts**
 - Dynamic text, 145-147
 - embedded fonts, 433
 - finding/replacing, 144
 - Input text, 145-147
 - Missing Font Warning dialogs, 144
 - outlines, 433
- fooling the viewer animation techniques**
 - motion, implying, 461-464
 - natural-looking images, 461
 - old-time movie effects, 462
 - opposites of expectations, 462
 - sound, 462
- Formats tab (Publish Settings dialog), 482, 500**
- Frame by Frame Graph command (View menu), 440**
- Frame command (Insert menu), 183, 277**
- frame rates, 182**
 - actual speed, 163
 - animations, 160-163
 - defining, 162
 - effective speed, 163
 - frames, number of, 163-164
 - Movie Clip, changing in, 276
 - sounds, 232
 - speed, 27
 - Timeline, 162
- Frame Shape, 257-258**
- Frame View**
 - pop-up menus
 - Preview command, 177
 - Timeline, 178
 - Stick-man-takes-a-walk animation example, 177-178
- frame-by-frame animations**
 - motions, implying, 183-184
 - pauses, 182-183
 - rotoscoping video, 381-382
 - Stick-man-takes-a-walk example
 - bending leg, 175
 - Frame View, 177-178
 - keyframes, editing, 177
 - line drawings, advantage, 174
 - Onion Skin tools, 177-179
 - Playing, 176
 - Scrubbing, 176
 - Test Movie, 176
- frame rates, 164, 182**
 - animations, 160
 - defining, 162
 - Movie Clip, changing in, 276
 - speed, 27
 - actual speed, 163
 - effective speed, 163
- frames**
 - actions, 315
 - contents, viewing with Onion Skin tools, 179
 - current, red current-frame marker, 21
 - Frame Shape, 257-258
- Frame View, Stick-man-takes-a-walk animation example, 177-178**
- instances, Tint color style, 195**
- interpolated frames, 196**
- Motion Tween, 213**
- Name Tween layer, 197**
- Shape Tween, 213**
- keyframes, 165**
 - animations, 476
 - Custom Easing setting, 201-204
 - Ease setting, 200
 - editing, red current frame marker, 196-197
 - inserting, 4
 - Motion Tweens, 198
 - movie file sizes, 434
 - Properties panel, 191
 - selecting, 205
 - Shape Hints (Shape Tween), 220
 - sounds, 227
 - Stick-man-takes-a-walk animation example, editing, 177
 - Timeline, 177
 - tweening, 170
- labels**
 - gotoAndPlay actions, 314
 - #static frames, 497
 - Modify Onion Markers, 180-181
 - Onion Skin tool markers, 180
 - Properties panel, viewing, 5

frames

- red current frame marker, 160-161, 175-176, 179, 196-197
 - #static frames, labeling, 497
 - Timeline, 160-162
 - tweening
 - blue (Motion Tween), 213
 - green (Shape Tween), 213
 - Timeline, 191
 - two-frame theory, proving, 184
 - framesets, Windows**, 406
 - Free Transform tool**
 - artwork (original), drawing, 62-64
 - Distort option, 63
 - Envelope option, 64
 - Rotate and Skew option, 62-63
 - Rotate option, 63
 - Scale option, 62-63
 - FreeHand files, importing vector graphics**, 77-78
 - fscommand action**, 500
 - FTP (File Transfer Protocol)**, 411
- G**
- Gap Size option (Paint Bucket tool)**, 43
 - Generate Size Report**, 445
 - getURL Action**, creating hyperlinks, 398, 401
 - .gif files**, 80
 - animated .gif files, 496
 - Lossless files, 82, 86
 - publishing files, 496-499
 - static graphics, 497-499
 - global (default) quality settings**, 84
 - global publish settings (sounds)**, 238-240
 - Glow Filters**, 123, 144
 - glyphs**
 - Dynamic text, 146
 - Input text, 146
 - gotoAndPlay actions**
 - frame labels, 314
 - movies, looping, 312
 - Gradient Bevel option (filters)**, 124
 - Gradient Glow option (filters)**, 123
 - Gradient Transform tool**, 131-134
 - bitmaps as fill colors, 286-287
 - cursors, 133
 - gradients (colors)**
 - custom gradients, creating, 129-130
 - Gradient Transform tool, 131-134
 - transforming, 130-134
 - Graphic symbols**
 - Movie Clip symbols versus 274-278
 - movies, effects on download order, 280
 - Timeline, locking to, 278
 - previewing, 277
 - scrubbing, 277
 - graphics**
 - buttons, Up state, 318
 - circles
 - animating, 248-250
 - squashing, 466
 - Gradient Transform tool, cursors, 133
 - importing
 - bitmaps, 79
 - reasons to avoid, 72-73
 - .jpg files, 82-84
 - Lossless files, 82, 86
 - raster, importing, 33, 80-81
 - bitmap properties, adjusting, 82-86
 - layered graphics, 87-90
 - vector graphics versus, 71-72
 - rotating wheels, creating, 272-274
 - static graphics
 - .gif files, 499
 - Macromedia Fireworks, 497-498
 - vector graphics, 33-34
 - importing, 73-78
 - raster graphics versus, 71-72
 - green tweened frames (Shape Tween), 213
 - Grid command (View menu)**, 9
 - grid objects**, aligning, 10
 - Guide Layer (layer property)**, 251-252
 - off-limits areas, defining, 256-259

- registrations, 255-256
text, placing, 259
- G**uided (Ball) layer, 261
guides, positioning, 11
Guides command (View menu), 259
- H**and tool, 9, 35-37
hand-drawn masking transitions, creating, 298-299
handles
 defining, 64
 side handles, cursor changes, 63
 square handles (at corners), cursor changes, 62-63
Hard Light blends, creating highlights in text, 136, 149
Hardlight option (blends), 121
help
 Bandwidth Profiler, 443-445
 Help button (Actions panel), 309
Hex color systems, 128
hiding
 layers, 252-254
 panels, 18
Hit state (buttons), 318-319
horizons (mountains), drawing, 476
horizontal (X) axis, 16
hosts
 HTML files, hosting .swf files, 29
- movies, 416
- h**ouse symbols, creating, 113
- HSB** (Hue, Saturation, Brightness), 111, 128
- HTML** (Hypertext Markup Language), 408
 A HREF tag, 398
 defining, 394
 Dynamic Text, creating hyper-links, 402
 files
 hosting .swf files, 29
 publishing, 495-496
 Flash Player updates, 486
 Hex color systems, 128
 windows, defining, 405
- HTML tab** (Publish Settings dialog), 483, 495
.html files, opening in Notepad, 397
hue (colors), 109
hue, saturation, brightness. **See** HSB
- hyperlinks**
 creating via
 Dynamic Text, 402
 getURL Action, 398, 401
 defining, 393
 movies, publishing, 398
 text, creating, 401
- HyperText Markup Language.** **See** HTML
- I**llustrator files, importing vector graphics, 74
image sequences, 502-503
images
 modular websites, 419
 natural-looking images via animations, 461
 mapping points, 215
implying motion (animation), 463
Import command (File menu), 80-81, 225, 372
importing
 bitmap graphics, 77-79
 Flash Player files, vector graphics, 78
 FreeHand files, vector graphics, 77-78
 illustrator files, vector graphics, 74
 media, 437
 non-jpg files, 84
 QuickTime videos, 372, 375
 raster graphics, 72-73, 80-81
 bitmap properties, adjusting, 82-86
 layered graphics, 87-90
 sounds into animations, 223, 226
 MP3 sound files, 225
 supported formats, 224-225
 WAV sound files, 224-225
 vector graphics, 73
 Flash Player files, 78

importing

- FreeHand files, 77-78
- Illustrator files, 74
- importing bitmaps as JPEG, 77
- importing Flash Player files, 78
- importing FreeHand files, 77-78
- quick layer selection, 75-76
- video, supported formats, 370-371
- index.html files**, 394
- Info panel**, navigational pitfalls, 25
- Ink Bottle tool**, drawing artwork (original), 47
- Ink Pencil Mode** (Pencil tool), 40
- Input text**, 433
 - fonts, 145-147
 - glyphs, 146
- Insert Keyframe command** (Insert menu), 174
- Insert Layer button**, 249, 260
- Insert menu commands**
 - Convert to Symbol, 94, 113, 190, 272
 - Frame, 183, 277
 - Insert Keyframe, 174
 - Keyframe, 165, 180, 183, 190, 236
 - Layer, 20, 235, 249, 258
 - New Symbol, 98, 276
 - Scene, 446
- Insert Target Path button** (Actions panel, Options toolbar), 309
- installing Flash Player**, 485
- Instance name field**, 275
- instances**
 - Circle symbol, scales and brightness effects, 115
 - Color tweening, 194-197
 - defining, 20, 94
 - Movie Clips
 - addressable instances, 278-279
 - behavior in, 276
 - names with symbols, 279
 - onstage
 - behavior in, 275
 - naming, 279
 - Position tweening, 194-197
 - properties, changing, 195
 - Rotation tweening, 194-197
 - Scale tweening, 194-197
 - symbols, 96
 - Advanced (Properties panel), 111
 - affected, 98
 - behavior, 112
 - Brightness (Properties panel), 109
 - changing in Properties panel, 108
 - color styles, 108-111
 - creating, 113-114
 - modifying, 106-107
 - placing onstage, 106
 - Tint Color Style (Properties panel), 110
 - transforming location, scale, rotation, 107-108
- Tint color style, 195
- tweening, 193
- interfaces**
 - animation, building via, 460-461
 - navigating, 23-25
- Internet Explorer**, uploading files to servers, 411
- Internet Service Provider**. **See ISP**
- interpolated frames**, 196
 - Motion Tween, 213
 - Name Tween layer, 197
 - Shape Tween, 213
- Invert blends**, text, 137, 150
- Invert option (blends)**, 121
- ISP** (Internet Service Provider), 411

J - K

- .jpg file format**, 80-84
 - bitmaps, importing as vector graphics, 77
 - files
 - loading, 416
 - publishing, 496-499
 - non-jpg file extensions, importing, 84
- keyboards**
 - shortcuts
 - Ctrl+A, 182, 443
 - Ctrl+B, 439
 - Ctrl+C, 249

- Ctrl+Enter, 190, 210, 276, 420
 Ctrl+F, 440
 Ctrl+F8, 276
 Ctrl+L, 226
 Ctrl+M, 162, 417-419
 Ctrl+Shift+H, 216
 Ctrl+Shift+V, 265
 drawing tools, 35
 Zoom tool, 37
 Windows to Macintosh translations, 5
- Keyframe command (Insert menu), 165, 180, 183, 190, 236**
- keyframes, 165**
- actions, 315
 - animations, 476
 - Custom Easing setting, 201-204
 - Ease setting, 200
 - editing
 - red current frame marker, 196-197
 - Stick-man-takes-a-walk animation example, 177
 - inserting, 4
 - Library for Keyframing, opening, 235
 - Motion Tweens, 198
 - movie file sizes, 434
 - Properties panel, 191
 - selecting, 205
 - Shape Hints (Shape Tween), 220
 - sounds, 227
- Timeline, 177
 tweening, 170
keyframing.fla files, downloading, 166, 235
- L**
- labels (frame)**
- gotoAndPlay actions, 314
 - #static frames, 497
- Lasso tool, 11**
- artwork (original), drawing, 56
 - Polygon Mode option, 58
- Layer command**
- Insert menu, 20, 235, 249, 258
 - Modify menu, 254
- Layer Folders (layer property), 252**
- Layer Name (layer property), 251**
- Layer option (blends), 120**
- Layer Outline button, 251, 257**
- Layer Properties dialog, 253-254, 258**
- Layer Type icon, 251**
- layered raster graphics, importing, 87-90**
- layering objects (depth simulation animation techniques), 473**
- layers**
- active, pencil icon, 250
 - animations, 14, 247
 - circles, 248-250
 - editing properties, 250-252
 - Folder (layer property), 252
 - Frame Shape, 258
 - Guide Layers, 252, 255-259
 - hiding, 252-254
 - Layer Folders (layer property), 252
 - Layer Name (layer property), 251
 - Lock/Unlock Layer (layer property), 251
 - managing, 254
 - Mask Layer, 252, 263-266
 - Motion Guide Layers, 252, 260-263
 - Normal (layer property), 251
 - outlining, 252-254
 - Registration, Frame Shape, 257
 - Show Layer as Outlines (layer property), 251
 - Show/Hide Layer (layer property), 251
 - visual effects properties, 255-256
- Background (Timeline), 166
 contents, viewing, 253
 creating, 249
 current, 20-21
 Flash (Timeline), 166
 inserting, 258
 M (Timeline), 166
 Motion Guide (Path) and Guided (Ball), 261
 Name Tween, interpolated frames, 197

layers

- Path and Ball, 261
- Sparkle (Timeline), 166
- Timeline, 13, 166-167
- X (Timeline), 166
- Left Channel/Right Channel (Edit Envelope dialog)**, 233
- Library**, 19
 - address bar, 101
 - Circle symbol instances, scales and brightness effects, 115
 - Edit Scene menu, 102
 - Edit Symbols menu, 102
 - file sizes, reducing, 116
 - folders, creating, 105
 - instances, defining, 20, 94
 - Library window, 104-105
 - managing, 103-105
 - Movie Clip, 95, 112
 - New Symbol, 99
 - options menu, 96
 - plus sign (+), 101
 - Properties dialog, changing symbol behaviors, 112
 - Properties panel, changing symbol instances, 105
 - sound files (imported), 227
 - Stage, 102
 - symbols
 - address bar, editing from, 97
 - behavior, 95, 112
 - Box, 113
 - creating, 94-99
 - defining, 20, 93
 - Eyeball, creating, 114
- Face, 115
- file sizes, reducing, 100
- house symbols, creating, 113
- instances, 96-98, 106-114, 279
- master names, 279
- master, 112
- naming, 95, 103
- New Symbol, 99
- sorting, 104
- work, minimizing, 100
- windows, opening, 226
- Library command (Windows menu)**, 95, 235
- light**
 - Advanced (Properties panel), 111
 - Brightness (Properties panel), 109
 - Tint Color Style (Properties panel), 110
- Lighten option (blends)**, 121
- Line tool**, 11, 38-39
- lines. See also strokes**
 - bending, 57
 - changing, 38-39
 - curved lines, 49
 - drawing, 38-39, 174
 - endpoints, connecting, 66
 - extending, 57
 - fills versus, 212, 431
 - shapes, 45-46
 - styles, movie performance, 456
 - vertical lines, dragging with Snap on, 216
- linking movies to web servers**, 393
- links. See hyperlinks**
- list components, data providers**, 355-357
- Load Movie Action**, 417
- loading**
 - .jpg files, 416
 - movies, 416
 - determining when loaded, 419
 - Load Movie Action, 417
 - unloading, how to, 419
- loadMovie Action**, 416
- location of symbol instances, transforming**, 107-108
- Lock Fill option (Paint Bucket tool)**, 131-134
- Lock/Unlock Layer (layer property)**, 251
- locking Graphic symbols to Timeline**, 278
- Loop settings (sounds)**, 234-236
- looping movies**, 311
- Lossless files**, 82, 86

M

- M layer (Timeline)**, 166
- Macintosh Projector**, 499-501
- Macromedia Fireworks**, 497-498
- Magnification command (View menu)**, 8
- magnifier effects, creating via masks**, 296

Motion Tweens

- :mailto command, 406**
- mapping**
 - points in images, 215
 - Shape Hints (Shape Tween), 219
- margins (text), adjusting, 51**
- markers**
 - Always Show Markers (Modify Onion Markers preset option), 181
 - Anchor Onion (Modify Onion Markers preset option), 181
 - Edit Multiple Frames (Modify Onion Markers preset option), 181-182
 - End Onion Skin, 179-180
 - Modify Onion Markers, 180-181
 - Onion 2 (Modify Onion Markers preset option), 181
 - Onion 5 (Modify Onion Markers preset option), 181
 - Onion All (Modify Onion Markers preset option), 181
 - Onion Skin Outlines (Modify Onion Markers preset option), 181
 - red current frame marker, 21, 160-161, 175-176, 179, 196-197
 - Start Onion Skin, 179-180
 - Time In/Out (sounds), 234
- marqueeing, 58-59**
- Mask Layer (layer property), 252**
 - limitations of, 263
 - Skyline, 265
 - spotlight effects, creating, 264-266
- text, 264**
- masking, 13**
 - hand-drawn transitions, creating, 298-299
 - limits of, 295
 - magnifier effects, creating, 296
 - stencils, 299-301
- master symbols, 112, 274, 279**
- media**
 - compressing, 437
 - importing, 437
- media types**
 - choosing to publish, 492
 - exporting, 502
- Merge mode versus Object draw mode, 54**
- metadata, adding to movies, 490-491**
- Missing Font Warning dialogs, 144**
- modems, converting bits to bytes, 441**
- Modify command (Transform panel), 64**
- Modify menu**
 - Arrange command, 114
 - Break Apart command, text, 287-290
 - Convert to Symbol command, 107, 114
 - Curves command, 212
 - Document Properties command, 162
 - Document command, 162
 - Layer command, 254
 - Optimize command, 443-445
- Modify Onion Markers, 180**
 - Onion All command, 182, 443-444
 - preset options, 181
- modular websites, designing, 415**
 - external sounds, playing, 422-423
 - images, loading, 417, 420
 - movies, loading, 417, 420
- morphs, Shape Tween, 209**
- motion blurs, 294**
- Motion Guide Layers, 252, 260-263**
- Motion Tweens**
 - animations**
 - Ease In and Ease Out, 200, 203
 - finishing where starting, 198-200
 - automatically setting, 198
 - CCW (counterclockwise) rotation, 204
 - blue tween frames, 213
 - Create Motion Tween, 196
 - creating, 189-192
 - CW (clockwise) rotation, 204
 - fine-tuning, 198
 - image mapping points, 215
 - instances, 193
 - Color tweening, 194-197
 - Position tweening, 194-197
 - properties, changing, 195
 - Rotation tweening, 194-197
 - Scale tweening, 194-197
 - Tint color style, 195

Motion Tweens

- interpolated frames, 196-197, 213
- keyframes, 198
 - Custom Easing setting, 201-204
 - Ease setting, 200
 - selecting, 205
- Motion Guide Layers, 260
- Name Tween layers, 197
- no-man's-land, 196
- patterns, 197
- red current frame marker, editing keyframes, 196-197
- rotating in, 204-205
- Shape Tween, 214
- Tint color style, 195
- Yo-Yo, creating, 198-200
- motion, implying (animations), 183-184, 463**
- mountains, drawing, 476**
- .mov files, 370
- Move cursor (Gradient Transform tool), 133**
- "move" symbol (cursors), 58**
- Movie Clips, 95, 112, 278**
 - creating, 272
 - download order, effects on, 280
 - frames
 - Slider components, accessing via, 362-363
 - frame rates, changing, 276
 - instances
 - addressable instances, 278-279
- behavior, 276
- onstage instances, naming, 279
- nested clips, creating, 272
- previewing, 277
- rotating wheels, creating, 272-274
- scrubbing, 277
- symbols
 - behavior, 272
 - Graphic symbols versus, 274-278
- movies. See also Test Movies**
 - Bandwidth Profiler, 445
 - download times, 438-443
 - file sizes, reducing, 443
 - preloaders, 446-447
 - bitmaps, 436-437
 - downloading, 447-448
 - determining if fully loaded, 419-421
 - download order, effects on, 280
 - download times, calculating, 430
 - external text, loading, 423-425
 - files
 - Dynamic Text, 433
 - Input Text, 433
 - keyframes, 434
 - lines and fills, comparing, 431
 - Motion Tween, 434
 - Shape Tween, 434
 - sizes, 429-434
 - text, breaking apart, 432
 - Flash Players, 483-485
 - flickering effects, 462
 - frames, labeling as #static, 497
 - Generate Size Report, 445
 - hosts, 416
 - Load Movie Action, 417
 - loading, 416, 419
 - loadMovie Action, 416
 - looping, 311
 - media, importing/compressing, 437
 - metadata, adding to, 490-491
 - modular websites, 419-420
 - optimizing, 429
 - performance
 - improving, 453-456
 - line styles (avoid), 456
 - Modify (never use), 456
 - Optimize Curves, 444, 455
 - Shape (never use), 456
 - Soften Fill Edges (never use), 456
 - special effects, 453-454
 - streaming sounds, 454
 - Projector, 500
 - publishing, 395
 - .avi files, 502
 - email, sending, 406
 - getURL Action, 398
 - .gif files, 496-499
 - .html files, 394, 397, 495-496
 - hyperlinks, 398, 401-402

image sequences, 502-503
 index.html files, 394
 .jpg files, 496-499
 media types, 492, 502
 Notepad, opening files in, 397
 .png files, 496-499
 pop-up windows, 407-410
 Projector, 499-501
 Publish Settings dialog, 482-483, 492-495, 500
 QuickTime videos, 501
 search engines, 490-491
 .swf files, 394, 492-494
 templates, customizing, 489-490
 text hyperlinks, creating, 401
 web servers, uploading to, 410-411
 windows, defining, 405
 windows, framesets, 406
 sounds, 422-423
 compressing, 435
 Edit Envelope (Properties panel), 436
 static graphics
 GIF files, 499
 Macromedia Fireworks, 497-498
 submovies, 416
 Test Movie, 420
 text, breaking apart, 432
 unloading, 419
 web servers, linking to, 393

MP3 files, 225, 371
 sound compression, 240, 435
 video, 370
multimedia registrations, 256
Multiply option (blends), 121

non-Flash users, directing to Flash Players, 487-488
Normal (layer property), 251
Normal option (blends), 120
Notepad files, opening, 397
numbers, current frames, 162

N

Name Tween layer, interpolated frames, 197
naming
 folders, 105
 instances onstage, 279
 symbols, 95, 103
 displaying in Properties panel, 273
 instance for symbols, 279
 master for symbols, 279
natural-looking images via animations, 461
Navigator pane (Actions panel), 309
nesting
 Movie Clips, 272
 symbols, 274
New command (File menu), 4, 15
New dialog, 15
New Folder command (Options menu), 105
New Symbol command (Insert menu), 98-99, 276
no-man's-land (Motion Tween), 196
non-jpg files, importing, 84

O

Object draw mode versus Merge mode, 54
Object Drawing option (Pencil tool), 40
objects
 aligning, 10
 connecting via Snap to Objects, 65
 Snap, 65-67
 handles, defining, 64
 instances
 Color tweening, 194-197
 Position tweening, 194-197
 Rotation tweening, 194-197
 Scale tweening, 194-197
 tweening, 193
 layering (depth simulation animation techniques), 473
 rotating, 64
 scaling (depth simulation animation techniques), 472-473
 selecting, 53-56
 symbols, converting to, 94-97
 transforming, 53-54, 62-64

off Stage

- off Stage, 7**
- off-limit areas, defining in Guide Layers, 256-259**
- old-time movie animation effects, 462**
- Onion 2 (Modify Onion Markers preset option), 181**
- Onion 5 (Modify Onion Markers preset option), 181**
- Onion All command (Modify Onion Markers menu), 181-182, 443-444**
- Onion Skin Outlines (Modify Onion Markers preset option), 181**
- Onion Skin tool, 179**
 - Always Show Markers (Modify Onion Markers preset option), 181
 - Anchor Onion (Modify Onion Markers preset option), 181
 - animations, creating, 179-182
 - Edit Multiple Frames (Modify Onion Markers preset option), 181-182
 - End Onion Skin marker, 179-180
 - frames, viewing contents, 179
 - markers, 180
 - Modify Onion Markers, 180-181
 - Onion 2 (Modify Onion Markers preset option), 181
 - Onion 5 (Modify Onion Markers preset option), 181
- Onion All (Modify Onion Markers preset option), 181**
- Onion Skin Outlines (Modify Onion Markers preset option), 181**
- red current frame markers, 179**
- Start Onion Skin marker, 179-180**
- Stick-man-takes-a-walk animation example, 177-179**
- opacity (Alpha), 109-110, 121**
- Open File command (File menu), 397**
- opening**
 - files in Notepad, 397
 - Library for Keyframing, 235
 - Library window, 226
- Optimize command (Modify menu), 443-445**
- Optimize Curves, movie performance, 444, 455**
- Options menu**
 - Actions panel, 309
 - Library, 96
 - New Folder command, 105
 - Properties command, 81, 112, 241
 - Rename command, 105
- Options toolbar (Actions panel)**
 - Add Format button, 310
 - Add Statement button, 309-310
 - Debug Options button, 310
 - Find button, 309
 - Insert Target Path button, 309
- Show Code Hint button, 310**
- organizing**
 - Library folders, 105
 - panels into sets, 17-19
- original artwork. *See* artwork (original)**
- outlines**
 - fonts, 433
 - layers, 252-254
 - Onion Skin Outlines (Modify Onion Markers preset option), 181
- Oval tool**
 - artwork (original), drawing, 45-46
 - fill color options, 46
- overkill (animation techniques), 467-468**
- Overlay blends, 121, 136, 149**
- overnesting, 116**

P

- Page Curl icon, 251, 254, 264**
- Paint Bucket tool, 11**
 - artwork (original), drawing, 42-47
 - Gap Size option, 43
 - Lock Fill option, 131-134
- painting**
 - artwork (original), 33-34
 - bitmaps as fill color/stroke color, 286-287
 - fills, 42-45
- Panel Sets command (Window menu), 18**

Preview command

- panels. *See also* Timeline**
- defining, 3
 - hiding, 18
 - Info panel, navigational pitfalls, 25
 - organizing into sets, 17-19
 - Properties panel, 3, 14, 39
 - Advanced, 109-111
 - Alpha (Opacity), 109-110
 - Brightness, 109
 - coordinate system, 16
 - Custom button, 41
 - Edit Envelope, 436
 - Expand/Collapse arrow, 15
 - fill colors, 15-17
 - Instance name field, 275
 - instances onstage, 275, 279
 - keyframes, 191, 205
 - Library, 19-20
 - navigational pitfalls, 25
 - sound files (imported), 227
 - sounds, displaying, 228
 - Static Text option, 143-145
 - Stroke Style dialog, 42
 - symbol instances, 108-109
 - symbol names, displaying, 273
 - text aliases, 53
 - text attributes, changing, 52
 - text options, 17
 - Tint Color Style, 110
 - Tint, 109-111
 - viewing, 5
 - showing, 18
 - Tools panel, 6, 11-12
 - undocking, 19
- panning (sounds), 234**
- panning Stage, 9**
- parameters (actions)**
- fscommand action, 500
 - looping movies, 311
- Paste in Place command (Edit menu), 99, 257**
- Path layers, 261**
- patterns, Motion Tweens, 197**
- pauses**
- frame rates, 182
 - frame-by-frame animations, 182-183
- .pct files, 80, 83**
- Pen tool, 47-50**
- pencil icon, 249-250**
- Pencil tool**
- artwork (original), drawing, 38-39
 - Ink Pencil Mode, 40
 - Pencil mode, 40
 - Scale option, 42
 - Stroke hinting feature, 42
 - stroke styles, 41
- perspective (animation techniques), 469-471**
- photographics. *See* graphics**
- PI. *See* Properties panel**
- Picture of Ball, 262**
- pictures. *See* graphics**
- Pin Script button (Actions panel), 309**
- pixels**
- coordinate system, 16
 - Ruler Units, 26
- playback buttons, adding to animations, 320-322**
- playback controllers (video), 377-378. *See also* FLVPlayback Components**
- players. *See* Flash Players**
- plus sign (+), Library, 101**
- .png file extension, 80, 83**
- Lossless files, compressing, 86
 - publishing files, 496-499
- point of view (animations)**
- changing, 475-476
 - controlling, 474-475
- Polygon Mode option (Lasso tool), 58**
- pop-up windows, 407-410**
- Portfolio Viewers, creating, 326-330**
- Portfolios, creating multiple buttons for, 338-340**
- Position (instance tweening), 194-197**
- Preferences command (Edit menu), 168, 251**
- preloaders (Bandwidth Profiler), 446-447**
- presets, applying (filter removal), 123**
- Preview command (Frame View pop-up menu), 177**

previewing

- previewing**
 - Graphic symbols, 277
 - Movie Clips, 277
 - Stick-man-takes-a-walk animation example in Frame View, 178
- printing commercial registrations, 256**
- productivity. *See* Library**
- profilers. *See* Bandwidth Profiler**
- ProgressBar components, data providers, 359-361**
- progressive video, 375**
- Projector, 499-501**
- Properties command, 112**
 - Options menu, 81, 241
 - Window menu, 5, 38
- Properties panel, 3, 14, 39**
 - Advanced, 109-111
 - Alpha (Opacity), 109-110
 - Brightness, 109
 - coordinate system, 16
 - Custom button, 41
 - Edit Envelopee, 436
 - Expand/Collapse arrow, 15
 - fill colors, 15-17
 - Instance name field, 275
 - instances onstage
 - behavior, 275
 - naming, 279
 - keyframes, 191, 205
 - Library, 19-20
 - navigational pitfalls, 25
 - panels, organizing into sets, 17-19
 - sound files (imported), 227
- sounds, displaying, 228**
- Static Text option, 143**
- Drop Shadow Filters, 145**
- Glow Filters, 144**
- Stroke Style dialog, 42**
- symbol instances, 273**
 - behavior, 112
 - changing, 108
 - color styles, 108-109
- text**
 - aliases, 53
 - anti-aliasing, 53
 - attributes, changing, 52
 - options, 17
 - Tint Color Style, 110
 - Tint, 109-111
 - viewing, 5
- pseudo code, 325**
- Publish command (File menu), 395-396, 481, 484**
- Publish Preview command (File menu), 395-396, 485**
- Publish Settings command (File menu), 395**
- Publish Settings dialog**
 - file formats, 29
 - Flash tab, 238-239, 483, 492-493
 - Formats tab, 482, 500
 - HTML tab, 483, 495
 - sound compression types, setting, 239
- publishing movies, 395**
 - .avi videos, 502
 - email, sending, 406
 - .gif files, 496-499
 - .html files, 394, 397, 495-496
 - hyperlinks, 398, 401-402
 - image sequences, 502-503
 - index.html file, 394
 - .jpg files, 496-499
 - media types
 - choosing, 492
 - exporting, 502
 - Notepad, opening files in, 397
 - .png files, 496-499
 - pop-up windows, 407-410
 - Projector (Windows and Macintosh), 499-501
 - Publish Settings dialog**
 - Flash tab, 483, 492-493
 - Formats tab, 482, 500
 - HTML tab, 483, 495
 - QuickTime videos, 501
 - search engines, 490-491
 - .swf files, 394, 492-494
 - templates, customizing, 489-490
 - web servers**
 - defining, 410
 - uploading to, 410-411
 - windows**
 - defining, 405
 - framesets, 406

Script Category

Q

quality
 file size versus (sound files), 236-243
 video
 optimizing, 386
 selecting, 373
quick layers, selecting (vector graphics), 75-76
QuickTime videos
 importing, 372, 375
 publishing, 501
quotes (") in strings, 402

R

RadioButton component, 340-343
raster graphics, 33
 importing, 80-81
 bitmap properties, 82-86
 layered graphics, 87-90
 vector graphics versus, 71-72
ratios (aspect), Stage, 8
Raw option, sound compression, 240
Rectangle tool
 artwork (original), drawing, 45-46
 dark rings, 66
red current frame marker, 21, 160-161, 175-176, 179
 interpolated frames, 197
 keyframes, editing, 196-197

Reduce option (Zoom tool), 36
Reference button (Actions panel)
See help, Help button
Registration layer, Frame Shape, 257
registration points versus transformation points, 103
registrations, Guide Layers, 255-256
relative speed (depth simulation animation techniques), 474
Rename command (Options menu), 105
reports, Generate Size Report, 445
Reset button (Transform panel), 64
Reshape cursor (Gradient Transform tool), 133
RGB (red, green, blue), 111, 128
rollover sound, 231
Rotate and Skew option (Free Transform tool), 62-63
Rotate cursor (Gradient Transform tool), 133
Rotate option (Free Transform tool), 63
rotating, 62
 CCW (counterclockwise), 204
 CW (clockwise), 204
 Motion Tweens, 204-205
 objects, 64
 symbol instances, 107-108
 Wheel symbol, 273
 wheels, creating, 272-274
Rotation (instance tweening), 194-197

rotoscoping video, 381-382
Ruler Units, pixels, 26
Rulers command (View menu), 10, 67, 259
rules
 Motion Tweens, creating, 192
 Shape Tween, 211

S

sampling color, 126
saturation (color), 111
Scale (instance tweening), 194-197
scale of symbol instances, transforming, 107-108
Scale option
 Free Transform tool, 62-63
 Pencil tool, 42
scaling (Stage)
 defining, 8
 objects (depth simulation animation techniques), 472-473
 transforming, 62
Scene command (Insert menu), 446
Screen option (blends), 121
screens
 flashing, 460
 panels, hiding or showing, 18
Script Assist button (Actions panel), 309
Script Category (Actions panel), 309

Script pane

- Script pane (Actions panel), 309**
- scrubbing**
 - animations, 160
 - defining, 162
 - Graphic symbols, 277
 - Movie Clips, 277
 - Stick-man-takes-a-walk animation example, 176
- search engines, publishing movies, 490-491**
- security .swf files, 400**
- Selection tool, 15**
 - artwork (original), drawing, 56-58
 - marqueeing, 58-59
- sending email, 406**
- Set button, 238**
- sets, organizing panels into, 17-19**
- Settings... button, 110**
- shadows, simulating depth, 292-293**
- Shape (never use), movie performance, 456**
- Shape Hints (Shape Tween), 215-220**
- Shape Tweens**
 - checkerboard effect, 212
 - creating, 210
 - fine-tuning, 215
 - green tween frames, 213
 - images, mapping points, 215
 - interpolated frames, 213
 - lines and fills, avoid mixing, 212
 - morphs, 209
- Motion Tweens, 214**
- movie file sizes, 434**
- rules, 211**
- Shape Hints, 215-220**
- simplifying, 211-212**
- text, 211**
- vertical lines, dragging, 216**
- shapes**
 - bitmaps as fill colors/stroke colors, 286-287
 - circles, filling, 43
 - corners, square handle cursor changes, 57, 62-63
 - curved lines, 49
 - diamonds, drawing, 48
 - distorting, 62
 - drawing, 46-50, 65-67
 - editing, 50
 - envelope, 62
 - fills, 45-46
 - lines, 45-46, 66
 - marqueeing, 58-59
 - modifying, 46-47, 56-59
 - Rectangle tool, dark rings, 66
 - rotating, 62
 - scaling, 62
 - selecting, 56-59
 - side handles, cursor changes, 63
 - square corners, rolling cursor over, 62
 - text, converting to, 289-290
 - window shapes, changing, 370
- shortcuts (keyboard)**
 - Ctrl+A, 182, 443
 - Ctrl+B, 439
 - Ctrl+C, 249
 - Ctrl+Enter, 190, 210, 276, 420
 - Ctrl+F, 440
 - Ctrl+F8, 276
 - Ctrl+L, 226
 - Ctrl+M, 162, 417-419
 - Ctrl+Shift+H, 216
 - Ctrl+Shift+V, 265
 - drawing tools, 35
 - Zoom tool, 37
- Show Code Hint button (Actions panel, Options toolbar), 310**
- Show Layer as Outlines (layer property), 251**
- Show Outlines icon, 254**
- Show Shape Hints command (View menu), 216, 219**
- Show Streaming command (View menu), 440**
- Show/Hide Layer (layer property), 251**
- side handles, cursor changes, 63**
- simple buttons, creating, 316-317**
- Simple Portfolio Viewers, creating, 326-330**
- sizing objects (depth simulation animation techniques), 472-473**
- skins (component), manually editing, 344-345**
- Skyline (Masked layer), 265**
- Slider components, data providers, 361-363**

standalone Projectors

- sliders, coloring, 111**
- Smooth option (Pencil tool), 40**
- Snap**
 - objects, connecting, 65-67
 - shapes, drawing, 65-67
 - vertical lines, dragging, 216
- Snap to Objects, 38, 65, 217**
 - artwork (original), drawing, 65
 - objects, rotating, 64
- Soften Fill Edges (never use), movie performance, 456**
- sorting symbols, 104**
- Sound Properties dialog, 238, 241-242**
- sound**
 - animations
 - compressing, 238-240
 - DAT, 237
 - Effect settings, 232-234
 - efficiency, 242-243
 - export settings, 238-242
 - file size versus quality, 236-237
 - filtering files, 226
 - frame rates, 232
 - global publish settings, 238-240
 - importing in, 223-227
 - keyframes, 227
 - Loop settings, 234-236
 - panning, 234
 - Properties panel, 228
 - Publish Settings dialog (Flash tab), 239
 - quality versus file size, 236-243
 - rollover sound, 230-231
 - sound effects, 235-236
 - Sound Properties dialog, 241-242
 - Synch settings, 231
 - Time In/Out markers, 234
 - waveforms, displaying, 228
 - compressing, 238-240, 435
 - Edit Envelope (Properties panel), 436
 - fooling the viewer animation techniques, 462
 - movies, 422-423, 435-436
 - streaming, 454
 - source .fla file extensions, 27
- Sparkle layer (Timeline), 166**
- special effects**
 - movie performance, 453-454
 - videos, 369
- Speech compression option, 240**
- speed**
 - frame rates, 27, 163
 - relative speed, depth simulation animation techniques, 474
- Split video dialog, 372**
- spotlight effects, 264-266**
- Square tool, fill color options, 46**
- squares**
 - corners, rolling cursor over, 62
 - handles at corners, cursor changes, 62-63
 - handles at sides, cursor changes, 63
- marqueeing, 58**
- Rectangle tool, dark rings, 66**
- squashing circles, 466**
- Stage, 6**
 - artwork (original), drawing, 34
 - aspect ratios, 8
 - coordinate system, 16
 - defining, 4
 - Edit Scene menu, 24
 - Edit Symbol menu, 24
 - frame rate speeds, 27
 - grid, aligning objects, 10
 - guides, positioning, 11
 - Library, 102
 - off Stage, 7
 - panels, hiding/showing, 18
 - panning, 9
 - Properties panel, 14
 - coordinate system, 16
 - fill colors, 15-17
 - Library, 19-20
 - panels, organizing into sets, 17-19
 - text options, 17
- Publish Settings dialog, file formats, 29**
- scaling, defining, 8**
- sizes, 8**
- Timeline, 12-13**
- Tools panel, 11**
- views, changing, 8-10**
- Work Area option, 7**
- zoom control, 9**
- zoom levels, 8**
- standalone Projectors, 500**

Start

- Start (Synch setting), 229-230**
- Start Onion Skin marker, 179-180**
- statements, 311**
- #static frames, labeling, 497**
- static graphics, 497-499**
- Static Text option (Properties panel), 143**
 - Drop Shadow Filters, 145
 - Glow Filters, 144
- stencils, masks as, 299-301**
- Stick-man-takes-a-walk animation example, 174**
 - bending leg, 175
 - Frame View, changing, 177
 - keyframes, editing, 177
 - line drawings, advantage, 174
 - Onion Skin tools, 177-179
 - Playing, 176
 - previewing in Frame View, 178
 - Scrubbing, 176
 - Test Movie, 176
- Stop (Synchh setting), 229-231**
- Stop/Play (Edit Envelopee dialog), 233**
- storing CSS definings, 403**
- Straighten option (Pencil tool), 40**
- Stream (Synch setting), 230-231**
- Streaming Graph command (View menu), 442**
- streaming sound, movie performance, 454**
- streaming video, 375**
- strings, quotes ("') in, 402**
- Stroke hinting feature (Pencil tool), 42**
- Stroke Style dialog (Properties panel), 42**
- strokes. **See also** lines**
 - colors, bitmaps as, 286-287
 - styles (Pencil tool), 41
- styles**
 - colors of symbol instances, 108-111
 - line styles (avoid), movie performance, 456
 - stroke styles (Pencil tool), 41
- styling text, 50-52**
- submovies, 416**
- Subselect tool, 11, 50**
- Subtract option (blends), 121**
- swatches**
 - custom color swatches, creating, 127-128
 - custom colors, creating, 129
 - Fill Color, 15
- Swatches panel**
 - custom color gradients, creating, 129-130
 - custom swatches, creating, 127-128
- .swf files, 28, 176, 394**
 - Flash tab (Publish Settings dialog), 493
 - HTML file hosts, 29
 - local playback, 400
 - publishing, 492-494
 - security issues, 400
 - statistics, 439
 - testing without uploading, 400
 - web access, 400
- Symbol Properties dialog, 98, 112**
- symbols**
 - address bar, editing from, 97
 - behavior, 95
 - changing in Properties dialog, 112
 - Movie Clip, 272
 - Box symbols, 113
 - Circle symbols, instances, scales and brightness effects, 115
 - creating, 94-99
 - current symbols, 22-23
 - defining, 20, 93
 - Edit Symbols menu, 24, 102
 - Eyeball symbols, creating, 114
 - Face symbols, 115
 - file sizes, reducing, 100
 - Graphic symbols
 - Movie Clip symbols versus, 274-280
 - movies, effects on download order, 280
 - previewing, 277
 - scrubbing, 277
 - house, creating, 113
 - instances, 96
 - Advanced (Properties panel), 111
 - affected, 98
 - behavior, 112
 - Brightness (Properties panel), 109
 - changing in Properties panel, 108

- color style changes, 109-111
- color styles, 108-109
- creating symbols, 113-114
- modifying, 106-107
- names, 279
- placing onstage, 106
- Tint Color Style (Properties panel), 110
- transforming location, scale, rotation, 107-108
- using in symbols, 113
- Library symbols, 20, 106
- master symbols, 112
- instances onstage, behavior, 274
- names, 279
- “move” (cursors), 58
- Movie Clip symbols versus Graphic symbols, 274-278
- naming, 95, 103, 273
- nesting, 274
- New Symbol, 99
- repeating (breaking apart text), 288
- sorting, 104
- Wheel symbols, rotating, 273
- work, minimizing, 100
- Synch settings (sounds)**
- Event, 229-230
 - Start, 229-230
 - Stop, 229-231
 - Stream, 230-231
- syntax, ActionScripts, 311**
- T**
- tangents, curved lines, 49
- templates, customizing, 489-490
- Test Movie command (Control menu), 203, 235, 258, 276**
- Test Movies, 176, 420**
- text**
- 3D plastic effects, creating, 137-138, 151-152
 - aliases, 53
 - anti-aliasing, 53
 - attributes, changing, 52
 - blends, 135, 148
 - highlights, creating, 136, 149
 - Invert, 137, 150
 - blocks
 - alignments, changing, 52
 - breaking apart, 287-288
 - Center Justify Alignment, 52
 - shapes, converting to, 289-290
 - breaking apart, 287-288, 432
 - creating, 50-52
 - CSS, displaying via, 403-404
 - Dynamic text, 433
 - fonts, 145-147
 - glyphs, 146
 - hyperlinks, creating, 402
 - filters
 - Bevel, 137-138, 151
 - Drop Shadow, 138, 152
 - fonts
 - Dynamic text, 145-147
- finding/replacing, 144
- Input text, 145-147
- Missing Font Warning dialogs, 144
- glyphs
- Dynamic text, 146
- Input text, 146
- Guide Layers, placing in, 259
- hyperlinks, creating, 401
- Input text, 433
- fonts, 145-147
- glyphs, 146
- margins, adjusting, 51
- Masking Layer, 264
- movies, loading external text, 423-425
- Properties panel, exploring options in, 17
- Shape Tween, 211
- shapes, converting to, 289-290
- Static Text option (Properties panel), 143-145
- styling, 50-52
- videos, size in, 369
- Text tool, 11, 50-52**
- time**
- movies, downloading
- Bandwidth Profiler, 438-443
 - calculating, 430
- Timeline
- current time, 162
 - frame rates, 162
- Time In/Out (Edit Envelope dialog), 233**

Time In/Out markers

- Time In/Out markers (sounds),** 234
- Timeline,** 6
 - animations, 166
 - Background layer, 166
 - current frame, 21, 162
 - current layer, 20-21
 - current scene, 22-23
 - current symbol, 22-23
 - current time, 162
 - displaying, 167
 - docking, 12-13
 - Flash layer, 166
 - focus, 248
 - frame rates, 162
 - Frame View pop-up menu, 178
 - frames, 160-161, 191
 - Graphic symbols, locking to, 278
 - Insert Layer button, 249
 - interfaces, navigating, 23-24
 - keyframes, 4, 177
 - layers, 13, 166-167
 - M layer, 166
 - resizing, 167
 - Sparkle layer, 166
 - Stick-man-takes-a-walk animation example, previewing in Frame View, 178
 - timing, 162
 - undocking, 12-13
 - visual clues, 13
 - X layer, 166
- Timeline command (Window menu),** 4
- Tint (Properties panel),** 109-111
- Tint color style,** 110, 195
- Toolbox (Actions panel),** 308
- Tools menu commands,** 34
- Tools panel,** 6, 11
 - Brush tool, 15
 - tools, 12
 - Zoom tool, 8
- toys**
 - bouncing balls, creating in Motion Guide Layers, 260-263
 - Yo-Yo, creating, 198-200
- Trace Bitmap dialog,** 436-437
- Transform panel**
 - Copy and Transform button, 65
 - Modify command, 64
 - Reset button, 64
- transformation points, versus registration points,** 103
- transforming**
 - distortion, 62
 - envelope, 62
 - instances (location, scale, and rotation), 107-108
 - objects, 53-54, 62-64
 - rotation, 62
 - scale, 62
- transitions (hand-drawn masking),** 298-299
- transparencies (color),** 128
- tweening.** *See also* Motion Tweens; Shape Tweens
 - animations, 169
 - automatically setting, 198
- blue frame (Motion Tween), 213
- defining, 169
- frames in Timeline, 191
- green frame (Shape Tween), 213
- instances, 193
 - Color, 194-197
 - Position, 194-197
 - Rotation, 194-197
 - Scale, 194-197
 - keyframes, 170
- two-frame theory, proving,** 184

U

- undocking**
 - panels, 19
 - Timeline, 12-13
- unloading movies,** 419
- Up state of buttons,** 318
- updates, Flash Players**
 - ActionScripts, 486
 - addressing users, 487-488
 - browser auto-install features, 485
 - HTML, 486
- uploading files to web servers,** 410-411
- URL (Uniform Resource Locators),** getURL Action hyperlink creation, 398, 401
- users**
 - defining, 6-7
 - non-Flash users, directing to Flash Players, 487-488

V

V shapes, drawing, 48

vector graphics, 33-34

importing, 73

bitmaps as .jpg files, 77

FreeHand files, 77-78

Illustrator files, 74

quick layer selection,
75-76

raster graphics versus, 71-72

vertical (Y) axis, 16

vertical lines, dragging via Snap on, 216

video

.ASF files, 370

.AVI files, 370, 502

bandwidth requirements,
selecting, 373

camera angles, changing,
369

codec (compressor/decom-
pressor), 367

compressing, 367-368

computer restrictions, 369

cue points, inserting, 383

Digital Video, 370

.DV files, 370

.DVI files, 370

editing, Split video dialog,
372

embedded video

Deployment dialog, select-
ing in, 372

external video versus, 368

playback controllers, creat-

ing, 377-378

playing, 376

QuickTime example, 372,
375

external video

creating, 378-380

Deployment dialog, select-
ing in, 372

embedded video versus,
368

FLVPlayback Components,
creating, 380

playing, 375

file sizes, optimizing, 386

importing

QuickTime, 372, 375

supported formats, 370-
371

.MOV files, 370

.MPG files, 370-371

playback controllers, creating,
377-378. **See also**

FLVPlayback Components

progressive, 375

quality

optimizing, 386

selecting, 373

QuickTime

importing, 372, 375

.MOV files, 370

publishing, 501

rotoscoping, 381-382

special effects, 369

streaming, 375

text size, 369

viewpoints, changing, 369

window shapes, changing,
370

.WMV files, 370

View menu commands

Bandwidth Profiler, 439

Frame by Frame Graph, 440

Grid, 9

Guides, 259

Magnification, 8

Rulers, 10, 259

Show Shape Hints, 216, 219

Show Streaming, 440

Snap to Objects, 38, 65, 217

Streaming Graph, 442

Work Area, 34

View Rulers, 67

viewing

animations, 5

attention getting tech-
niques, 460-461

fooling the viewer tech-
niques, 461-464

frame contents with Onion
Skin tools, 179

layer contents, 253

Properties panel, 5

viewpoints, changing in videos,
369

visual clues, Timeline, 13

visual effects, Guide Layer,
255-256

voice, sound compression, 435

.wav sound files

W

.wav sound files, 224-225
waveforms, displaying in Timeline, 228
web browsers, index.html files, 394
web servers
 defining, 410
 files, uploading to, 410-411
 movies, linking to, 393
websites
 .jpg files, loading, 416
 keyframing.fla files, download-
 ing, 166, 235
 modular websites, designing,
 415
 loading movies/images,
 417, 420
 playing external sounds,
 422-423
movies
 Bandwidth Profiler, 438-
 447
 bitmaps, 436-437
 downloading, 419-421,
 430, 447-448
 file sizes, 429-434
 Generate Size Report,
 445
 Load Movie Action, 417
 loaded, determining when,
 419
 loading external text, 423-
 425
 loading, 416

media, importing and com-
 pressing, 437
 optimizing, 429
 performance, improving,
 453-456
 sound, 422-423, 435-436
 unloading, 419
wheels, rotating, 272-274
Wide View button, 104
Window command (Tools menu),
 34
windows
 defining, 405
 framesets, 406
 pop-up, 407-410
 shapes, changing for video,
 370
Windows
 keyboard translation, 5
 Projector, 499-501
Windows Media, 370
Windows menu commands, 235
 Components, 335
 Library, 95
 Panel Sets, 18
 Properties, 5, 38
 Timeline, 4
.wmv files, 370
**Work Area command (View
 menu)**, 34
Work Area option (Stage), 7
workspaces (Flash)
 Document Properties dialog,
 26-27
 .flä files, 27-28
 Stage, 6
 aspect ratios, 8
 coordinate system, 16
 Library, 19-20
 off Stage, 7
 Properties panel, 14-20
 scaling, defining, 8
 sizes, 8
 Timeline, 12-13
 Tools panel, 11
 views, changing, 8-10
 Work Area option, 7
 zoom levels, 8
.swf files, 28-29
Timeline, 6
 clapper icon, 22
 current frame, 21
 current layer, 20-21
 current scene, 22-23
 current symbol, 22-23
 interfaces, navigating, 23-
 24
 Tools panel, 6
X - Y - Z
X (horizontal) axis, 16
X layer (Timeline), 166
Y (vertical) axis, 16
Yo-Yo, creating, 198-200

Zoom tool

- zoom control (Stage),** 9
- Zoom In/Out (Edit Envelope dialog),** 233
- zoom levels (Stage),** 8
- Zoom tool,** 8
 - artwork (original), drawing, 35-37
 - Enlarge option, 36
 - keyboard shortcuts, 37
 - Reduce option, 36