Answer Key 6
Page 194: 1-2
Page 195: 7-9 (Do not sketch the line), Page 196: 19-20, Page 197: 23-28
Page 198: 35-36 (You do not need to explain),
Page 199: 39-42 (You do not need to explain)
Page 202: 1-2, Page 203: 5-7, Page 204: 11-13, Page 205: 19-20, Page 216: 47, 48, 49

Page 194

1) 5/4	2) 2

Page 195

7) m=7/6, rises	8) m=1/4, rises	9) m is undefined, vertical

Page 196

19) $y=-\frac{2}{3}x+2; m=-\frac{2}{3}, (0,2)$	20) $y=-2x-4; m=-2, (0,-4)$

Page 197

23) $y=2x-3$	24) $y=x+2$	25) $y=\frac{1}{2}x+1$
26) $y=-\frac{1}{3}x+4$	27) $y=\frac{1}{3}x-\frac{5}{2}$	28) $y=-\frac{5}{3}x+\frac{1}{2}$

Page 198

35) Perpendicular	36) Parallel

Page 199

39) Parallel	40) Neither	41) Neither or Parallel	42) Perpendicular

Page 202

1) $y=-\frac{1}{3}x+\frac{5}{3}$	2) $y=\frac{3}{2}x-\frac{7}{2}$

Page 203

5) $y=\frac{1}{3}x-\frac{1}{3}$	6) $y=-\frac{2}{5}x+\frac{4}{5}$	7) $y=-\frac{3}{5}x+\frac{8}{5}$

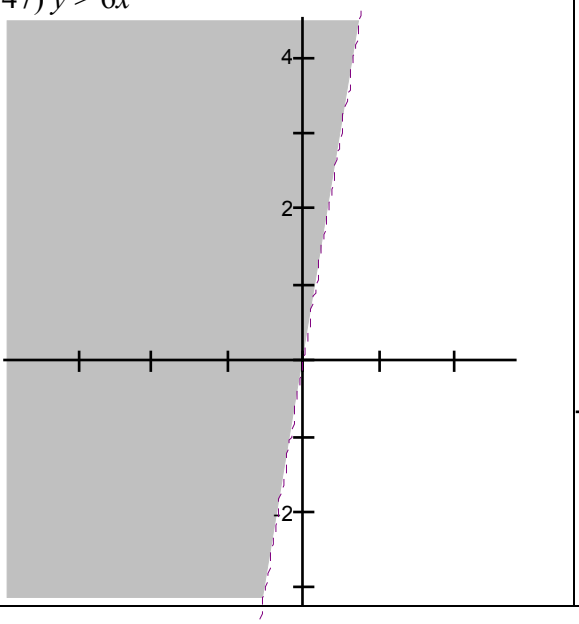
Page 204

11) a) $y=x-1$ b) $y=-x-3$	12) a) $y=3x+12$ b) $y=-\frac{1}{3}x+2$	13) a) $y=-\frac{1}{2}x+\frac{5}{2}$ b) $y=2x-5$

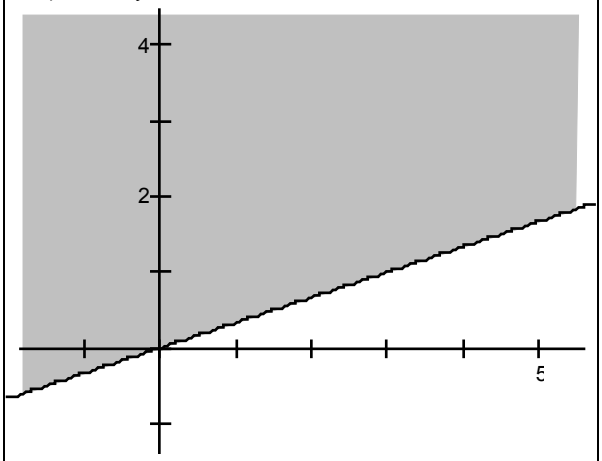
Page 205

19) $x=-2$	20) $y=3$

47) $y > 6x$



48) $x \leq 3y$



49) (Optional, wasn't correctly indicated on assignment)

$x + y \geq 9$