

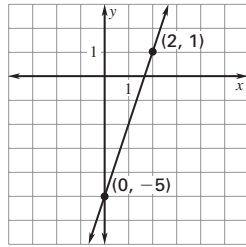
Answer Key

Chapter 4 Review and

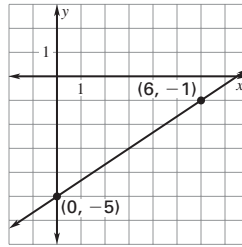
Cumulative Review

1. $-\frac{9}{13}$ 2. -11 3. $-\frac{1}{11}$ 4. 2 5. 4 6. -4
7. 2 8. $\frac{1}{5}$ 9. $x \geq 1$ 10. $-2 > x > 2$
11. $x \leq 2$ or $x \geq 5$ 12. $x \geq \frac{5}{2}$ 13. $x < \frac{5}{2}$
14. $x > 4$ 15. no 16. yes 17. yes 18. no
19. yes 20. yes

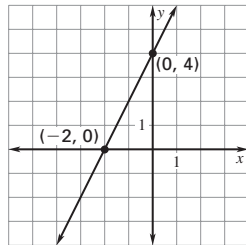
21.



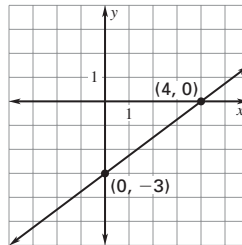
22.



23.



24.



25. $y = 5x - 2$ 26. $y = -5x - 3$
27. $y = \frac{1}{2}x + 4$ 28. $y = -\frac{2}{3}x + 6$
29. $y = -\frac{2}{5}x - 3$ 30. $y = 3$ 31. $y = 3x$
32. $y = -\frac{2}{3}x + 5$ 33. $y = 5x - 6$ 34. $(5, -1)$
35. $(4, -2)$ 36. $(-1, 0)$ 37. $(\frac{1}{2}, 1)$ 38. $(\frac{1}{3}, \frac{2}{3})$
39. $(10, 6)$ 40. $f(x, y) = x - 6y - 12; -20$
41. $f(x, y) = x + 2y + 8; 9$
42. $f(x, y) = -x - \frac{3}{2}y + 4; 16$
43. $f(x, y) = -\frac{2}{3}x + \frac{5}{3}y - 2; -8$
44. $f(x, y) = -\frac{3}{2}x + 3y + 5; 14$
45. $f(x, y) = -\frac{2}{3}x + \frac{4}{3}y - 3; 11$
46. $(0, 1, -2)$ 47. $(3, 4, -7)$ 48. $(2, 0, -3)$
49. 5, -9 50. 3, -5 51. 1, 5 52. 7, 4
53. $(5, -1)$ 54. $(0, -\frac{1}{2})$ 55. $(5, 1, 0)$
56. 236 57. 48