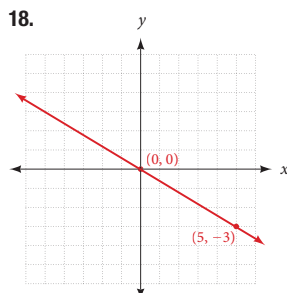
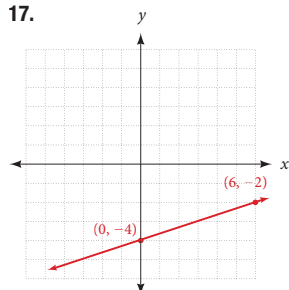


Chapter 7 Review

- Problems** 1. $(-1, 4)$ 2. $(3, 5)$ 3. $(2, 6)$ 4. $(2, -3)$
 5. $(-1, 0)$ 6. $(-4, 1)$ 7. $(3, 5)$ 8. $(-3, -6)$ 9. $(-1, 4)$
 10. $(4, 2)$ 11. $(-2, 3)$ 12. $(-1, -3)$ 13. $(-2, -6)$
 14. Lines coincide 15. $(6, 3)$ 16. $(-3, 4)$ 17. $(1, 0)$
 18. Lines coincide 19. $(-2, 4)$ 20. $(-2, -1)$ 21. $(0, 5)$
 22. Lines coincide 23. 7, 3 24. 12, 9
 25. \$2,000 at 8%, \$7,000 at 5% 26. \$5,000 at 9%, \$9,000 at 11%
 27. 15 dimes, 6 quarters 28. 12 dimes, 7 quarters
 29. 4 liters of 20% solution, 7 liters of 80% solution
 30. 12 liters of 35% solution, 18 liters of 10% solution

Chapter 7 Cumulative Review

- Problems** 1. -5 2. -3 3. 28 4. 33 5. Undefined
 6. 9 7. $\frac{11}{48}$ 8. $\frac{11}{8}$ 9. $3x + 1$ 10. $-12a + 26$ 11. 6
 12. 0 13. -4 14. 7 15. $x \geq -11$ 16. $x \leq -10$
 17.



18. 19. $(3, -2)$ 20. $(5, 1)$ 21. Lines coincide 22. $(-\frac{1}{2}, -2)$
 23. $(-6, 3)$ 24. $(-3, 0)$ 25. $(2, 7)$ 26. $(-4, -6)$
 27. $(9, -3)$ 28. $(-2, 7)$ 29. $(3, -8)$ 30. $(-2, 1)$
 31. -8 32. -19 33. $2 \cdot 3^3 \cdot 5$ 34. $2^2 \cdot 3 \cdot 5 \cdot 7$
 35. 15 36. -28 37. $(-3, 1)$ 38. $(-3, 3)$ and $(2, -\frac{1}{3})$
 39. x-intercept = 6; y-intercept = -5 40. $m = \frac{1}{4}$ 41. $m = -\frac{5}{2}$
 42. $m = -\frac{5}{24}$ 43. $y = \frac{5}{4}x - 2$ 44. $y = \frac{1}{3}x + 8$ 45. $y = 3x - 13$
 46. x-intercept = -12 ; y-intercept = 4 47. 5 dimes, 7 quarters
 48. \$600 at 7%, \$900 at 11% 49. 780 people 50. 400 people

Chapter 7 Test

- Problems** 1. $(0, 6)$ 2. $(3, 2)$ 3. $(7, 4)$ 4. $(-2, 4)$
 5. $(4, 0)$ 6. $(-5, 3)$ 7. $(-3, 4)$ 8. $(11, 3)$ 9. $(-4, 5)$
 10. $(1, 2)$ 11. $(-6, 3)$ 12. Lines coincide 13. 2, 13
 14. 4, 14 15. \$480 at 6% 16. 8 dimes, 11 nickels
 17. 28 ft by 71ft 18. a. 100 miles b. Company 1 c. $x > 100$