

Exercise Set 2.4 1. 11.4 miles 3. 4 hours 5. 6 hours 7. a) 6 miles per hour b) 12 miles per hour 9. a) 0.15 hour or 9 minutes b) 3.6 miles 11. 13.8 hours 13. 3.5 hours 15. \$12,570 at 3%, \$17,430 at 4.1% 17. 54 pounds 19. 4 basset hounds and 8 black cats 21. 30 ounces 23. 2.8 teaspoons 30%, 1.2 teaspoons 80% 25. 35% 27. 4 pounds leaves, 8 pounds slices 29. ≈ 25.77 hours 31. 500 minutes or $8\frac{1}{3}$ hours 33. 6 quarts 35. a) ≈ 3.71 hours b) ≈ 2971.43 miles 37. 8 small, 4 large paintings 39. 9.6 ounces of 80% solution, 118.4 ounces of water 41. a) 248 tickets b) 3002 tickets 43. 3 miles 45. ≈ 11.4 ounces 47. a), b), c) Answers will vary. 49. ≈ 149 miles 51. 6 quarts 52. 6.0×10^{-4} 53. -5.7 54. $\frac{21}{4}$ 55. $y = \frac{x - 42}{30}$ 56. 300 miles