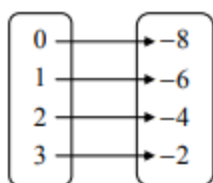
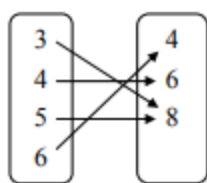


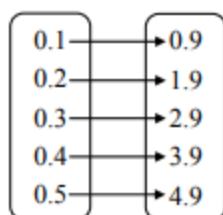
1. Input, x Output, y



2. Input, x Output, y



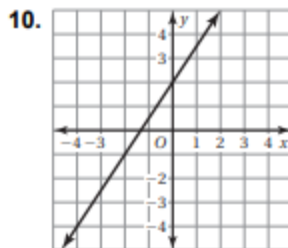
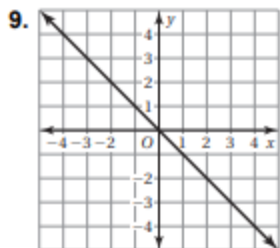
3. a. Input, x Output, y



b. 6.9; Following the pattern in the table, the speed for 0.6 second is 5.9 meters per second and the speed for 0.7 second is 6.9 meters per second.

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

7. $x = -1$ 8. $E = 8h$; \$320



11. $y = x + 1$ 12. $y = -\frac{x}{2}$

13. a. $y = 15x$ b. 5 boxes

14. for Car A

15. nonlinear; The graph is not a line.

16. linear; The graph is a line.

17. 52

18. a. the graph of female height; *Sample answer:* If the length of the femur increases 1 inch, the male graph rises 2.2 inches and the female graph rises 2.3 inches.

b. male: 60 in.; female: 58.5 in.

c. 20 in.