

1. State the domain and range of the relation $\{(-3, 2), (4, 1), (0, 3), (5, -2), (2, 7)\}$. Then determine whether the relation is a function. (Lesson 2-1)
2. Graph $y = 2x - 3$ and determine whether the equation is a *function*, is *one-to-one*, *onto*, *both*, or *neither*. State whether it is *discrete* or *continuous*. (Lesson 2-1)

Given $f(x) = 3x^3 - 2x + 7$, find each value. (Lesson 2-1)

3. $f(-2)$
4. $f(2y)$
5. $f(1.4)$
6. State whether $f(x) = 2x^2 - 9$ is a linear function. Explain. (Lesson 2-2)
7. **MULTIPLE CHOICE** The daily pricing for renting a mid-sized car is given by the function $f(x) = 0.35x + 49$, where $f(x)$ is the total rental price for a car driven x miles. Find the rental cost for a car driven 250 miles. (Lesson 2-2)
 - A \$84
 - B \$112.50
 - C \$136.50
 - D \$215

Write each equation in standard form. Identify A , B , and C . (Lesson 2-2)

8. $y = -6x + 5$
9. $y = 10x$
10. $-\frac{5}{8}x = 2y + 11$
11. $0.5x = 3$

Find the x -intercept and the y -intercept of the graph of each equation. Then graph the equation using the intercepts. (Lesson 2-2)

12. $4x - 3y + 12 = 0$

13. $10 - x = 2y$

14. **SPEED** The table shows the distance traveled by a car after each time given in minutes. Find the rate of change in distance for the car. (Lesson 2-3)

Time (min)	Distance (mi)
15	20
30	40
45	60
60	80
75	100

Find the slope of the line that passes through each pair of points. Express as a fraction in simplest form. (Lesson 2-3)

15. $(-2, 6), (1, 15)$

16. $(3, 5), (7, 15)$

17. $(4, 8), (4, -3)$

18. $(-2.5, 4), (1.5, -2)$

19. Find the slope of the line shown. (Lesson 2-3)

