

1.4–1.6 Quiz



Simplify the expression. (Section 1.4 and Section 1.5)

1. $-7(6)$

2. $-1(-9)$

3. $\frac{-72}{-9}$

4. $-24 \div 3$

Evaluate the expression when $a = 4$, $b = -6$, and $c = -12$.

(Section 1.4 and Section 1.5)

5. c^2

6. $\frac{|c - b|}{a}$

Write an ordered pair corresponding to the point.

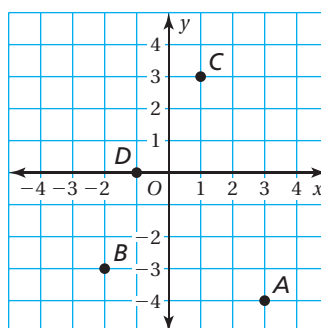
(Section 1.6)

7. Point A

8. Point B

9. Point C

10. Point D



11. **SPEECH** In speech class, you lose 3 points for every 30 seconds you go over the time limit. Your speech is 90 seconds over the time limit. What integer represents the change in your points? (Section 1.4)

12. **MOUNTAIN CLIMBING** On a mountain, the temperature decreases by 18°F every 5000 feet. What integer represents the change in temperature at 20,000 feet? (Section 1.4)

13. **GAMING** You play a video game for 15 minutes. You lose 165 points. What integer represents the average change in points per minute? (Section 1.5)

14. **GEOMETRY** The points $A(-4, 2)$, $B(1, -1)$, $C(1, 2)$, and $D(-4, -1)$ are the vertices of a figure. (Section 1.6)

- a. Draw the figure in a coordinate plane.
- b. Find the perimeter of the figure.
- c. Find the area of the figure.

