Check It Out
Progress Check
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Simplify the expression. *(Section 1.4 and Section 1.5)*

1. $-7(6)$

2. $-1(-9)$

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

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. $\dfrac{|c - b|}{a}$
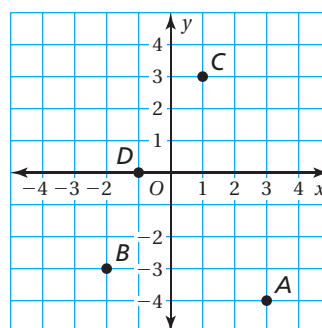
Write an ordered pair corresponding to the point.
(Section 1.6)

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.