

C2L4 Answers

1. $f(0) = 3$

2. $f(1) = 2$

3. $f(2.5) = 5$

4. $f(-4) = 4$

5. $f(-2) = -5$

6. $f(7) = 47$

7. $f(-2) = 3$

8. $f(0) = -1$

9. $f(5) = 9$

10. **D:** $[-6, 6]$ **R:** $[-2, 4]$

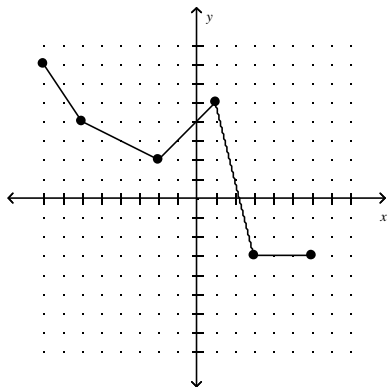
$$f(x) = \begin{cases} \frac{-2}{3}x - 4 & \text{if } -6 \leq x < -3 \\ -2 & \text{if } -3 \leq x < -1 \\ 2x & \text{if } -1 \leq x < 2 \\ \frac{-3}{2}x + 7 & \text{if } 2 \leq x < 4 \\ x - 3 & \text{if } 4 \leq x \leq 6 \end{cases}$$

11. **D:** $(-\infty, 3]$

R: $(-\infty, 5]$

$$f(x) = \begin{cases} \frac{2}{3}x + 3 & \text{if } x < -3 \\ -x + 2 & \text{if } -3 \leq x \leq 1 \\ 3x - 5 & \text{if } 1 < x \leq 3 \end{cases}$$

12.



13.

