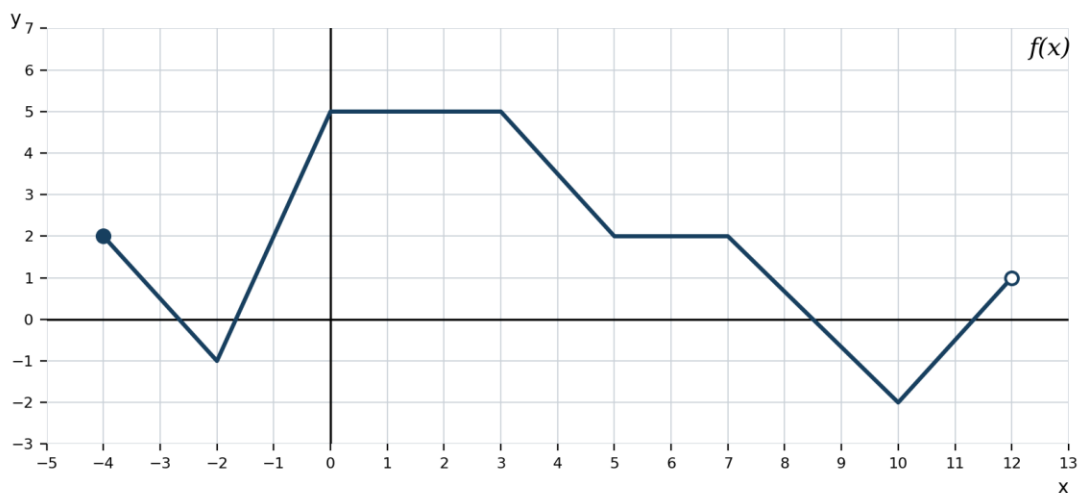


Graph Based Function Notation Worksheet

A. Use the graph to answer each question. Show your reasoning where needed.



1. State the domain of f .	2. State the range of f .
3. Determine $f(-2)$, $f(1)$, and $f(10)$.	4. Is $f(12)$ defined? Explain.
5. Determine $f(3) - f(5)$.	6. Determine $[f(10) + f(7)] / f(-4)$.

Solve Using the Graph

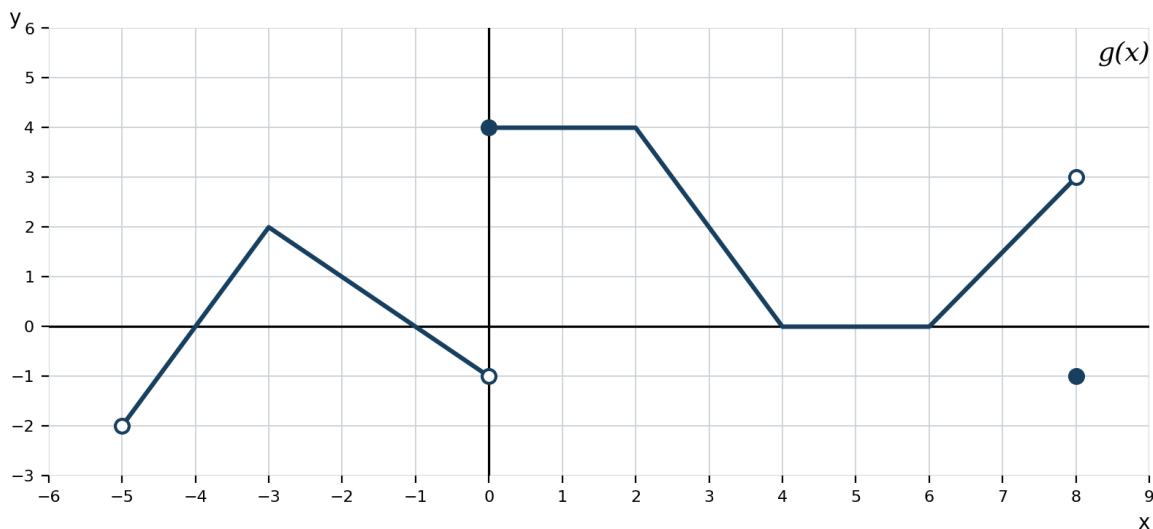
7. Solve $f(x) = 5$.	8. Solve $f(x) = 2$.
9. Solve $f(x) = 0$.	10. Solve $f(x) = -2$.

11. If $f(-2) = a$, determine $f(2a + 2)$.

12. If $f(3) = b - 1$, determine $f(b + 1)$.

Graph Based Function Notation Worksheet

B. Use the graph to answer each question. Show your reasoning where needed.



1. State the domain of g .	2. State the range of g .
3. Determine $g(-4)$, $g(0)$, and $g(8)$.	4. Explain why $g(0) \neq -1$.
5. Determine $g(2) + g(6)$.	6. Determine $g(g(0))$.

Solve Using the Graph

7. Solve $g(x) = 4$.	8. Solve $g(x) = 0$.
9. Solve $g(x) = -1$.	10. Solve $g(x) = 3$.

11. If $g(-3) = c$, determine $g(c - 2)$.

12. If $g(8) = d - 3$, determine $g(d + 2)$.