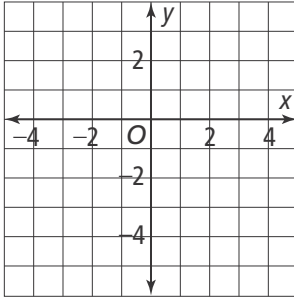


1 Readiness Assessment

1. Graph the linear inequality $y < 2x - 4$.



2. Find the next term of the sequence 16, 9, 2, -5, ...

3. Find $f(-3)$ for $f(x) = -2x + 5$.

- (A) -1
(B) 10
(C) -10
(D) 11

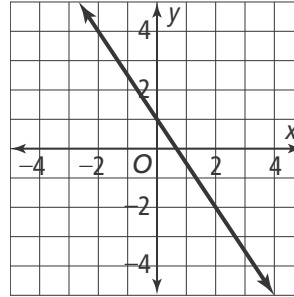
4. Evaluate the expression $|3x - 1|$ for $x = -2$.

- (A) -7
(B) 7
(C) 5
(D) -5

5. Calculate the rate of change for the given table of values.

x	y
2	50
3	75
4	100
5	125

6. Calculate the rate of change (slope) for the given line.



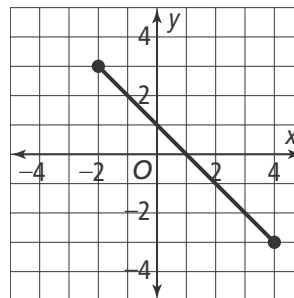
7. Where does the graph of the line $y = x - 2$ intersect the x-axis?

- (A) (0, 2) (C) (0, -2)
(B) (2, 0) (D) (-2, 0)

8. Where does the graph of the line $3x - 4y = 12$ intersect the y-axis?

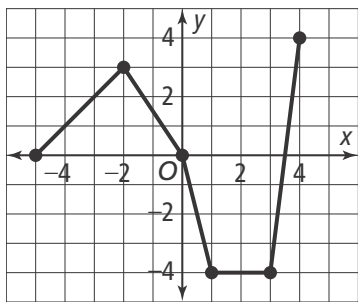
- (A) (4, 0) (C) (0, 3)
(B) (-4, 0) (D) (0, -3)

9. Which y-values are represented on the graph below?



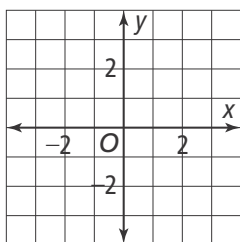
- (A) $-3 < y < 3$
(B) $-2 < y < 4$
(C) $y = 1$
(D) $y = -3$ and $y = 3$

For Items 10 and 11, use the graph.

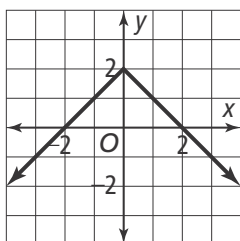


10. For what x -values is the function decreasing?
- (A) $-5 < x < -2$ (C) $0 < x < 3$
 (B) $-2 < x < 1$ (D) $0 < x < 3.5$
11. For what x -values is the function positive? Select all that apply.
- (A) $-5 < x < 0$
 (B) $0 < x < 3$
 (C) $3 < x < 4$
 (D) $3.5 < x < 4$

12. Graph $y = x^2 - 3$.

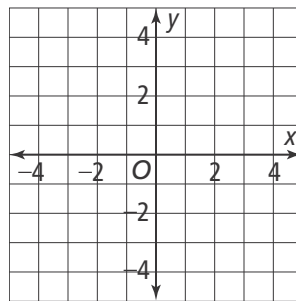


13. Which equation matches the graph below?



- (A) $y = -|x| + 2$ (C) $y = |x| - 2$
 (B) $y = -|x| - 2$ (D) $y = |x| + 2$

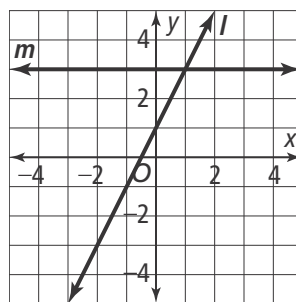
14. Graph the line $y = -\frac{3}{4}x + 1$.



15. Which point is a solution to the equation $2x - y = 4$?
- (A) $(0, 4)$ (C) $(-3, -10)$
 (B) $(1, 2)$ (D) $(-3, 10)$

16. Which point is a solution to the equation $y = (x - 2)^2$?
- (A) $(3, 1)$ (C) $(1, -1)$
 (B) $(4, 0)$ (D) $(-3, 1)$

17. Identify the intersection of line l and line m .



18. Which point(s) are solutions to the inequality $-x - 2y > 3$? Select all that apply.
- (A) $(-1, -2)$
 (B) $(1, -2)$
 (C) $(-2, -1)$
 (D) $(2, -4)$