

Chapter 6A Practice Test Sections 6.1, 6.2, 6.4, 6.5

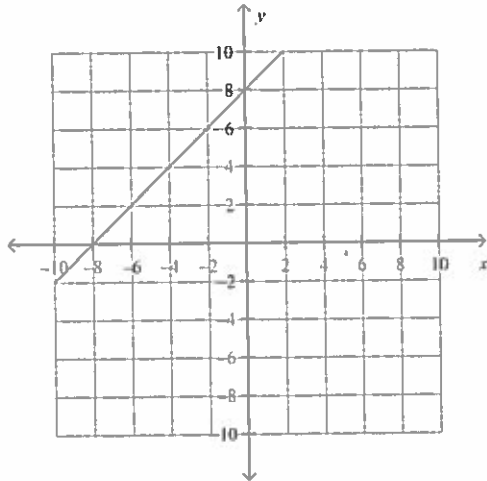
Multiple Choice

Identify the choice that best completes the statement or answers the question.

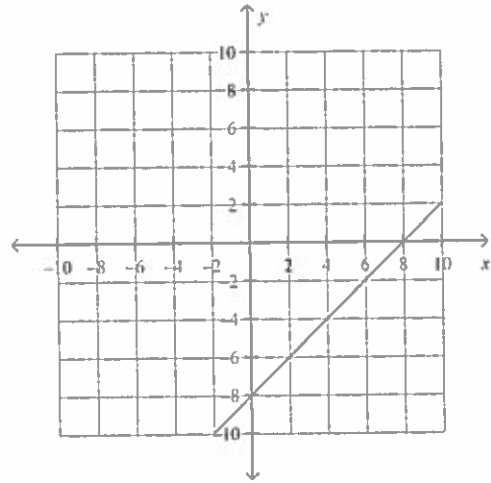
Match the equation with its graph.

1. $8x - 8y = -64$

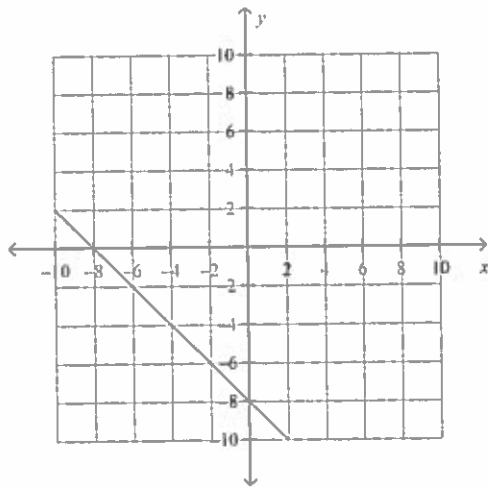
a.



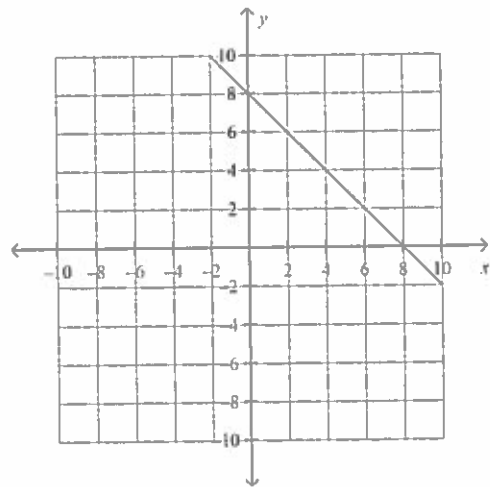
c.



b.

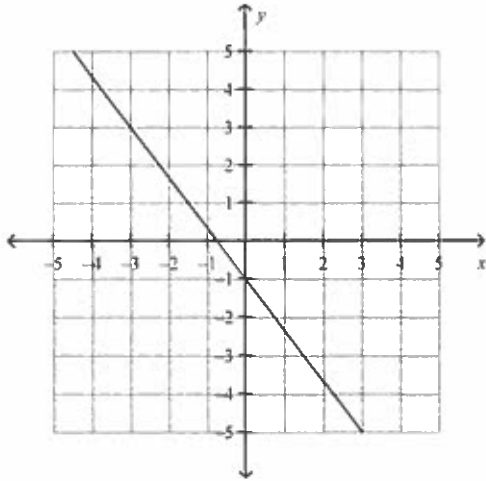


d.



Find the slope of the line.

2.



Find the slope and y -intercept of the line.

3. $8x + 4y = -76$

Slope = _____

y -intercept = _____

Find the x - and y -intercept of the line.

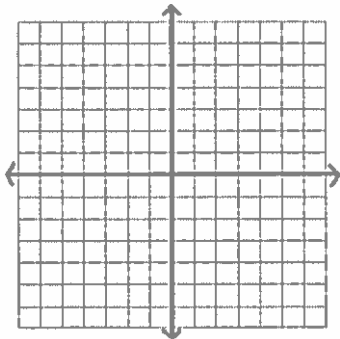
4. $-2x + 6y = -24$

x = _____

y = _____

Graph the equation.

5. $y + 3 = -(x - 2)$



Write an equation in point-slope form for the line through the given point with the given slope.

6. $(2, -3); m = \frac{4}{5}$

7. The rate of change (or slope) is constant in the table. Find the rate of change. Explain what it means for the situation.

Time (hours)	Distance (miles)
4	204
6	306
8	408
10	510

8. Find the slope of the line that passes through the pair of points. $(-2, 8), (8, -1)$
Slope: _____

9. Write an equation of a line with the given slope and y -intercept. $m = -3, b = 6$

10. Find the slope and y -intercept of the line.

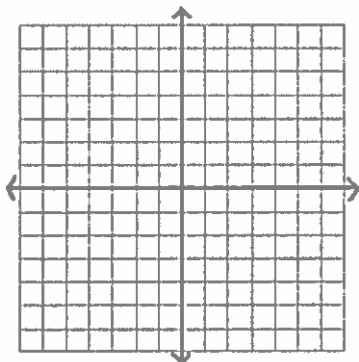
$$y = \frac{4}{5}x - 2$$

slope: _____

y -intercept: _____

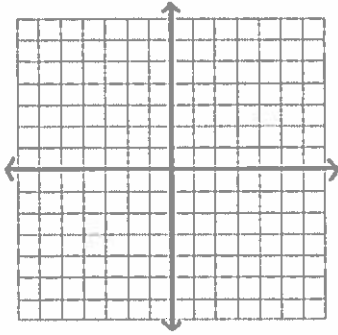
11. Use the slope and y -intercept to graph the equation.

$$y = \frac{1}{3}x - 1$$

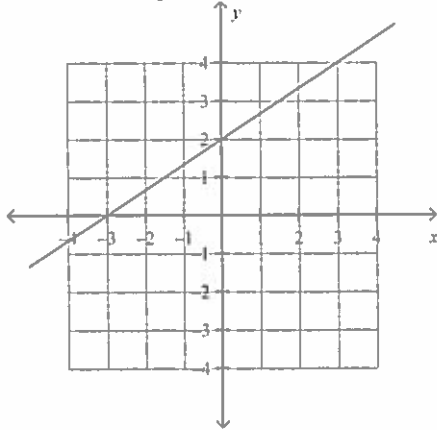


12. A student finds the slope of the line between $(11, 19)$ and $(16, 14)$. She writes $\frac{19 - 14}{16 - 11}$. What mistake did she make?

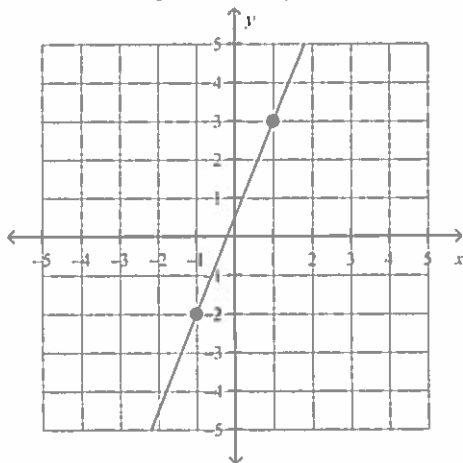
13. Graph the equation. $y = 2$



14. Find the slope of the line.

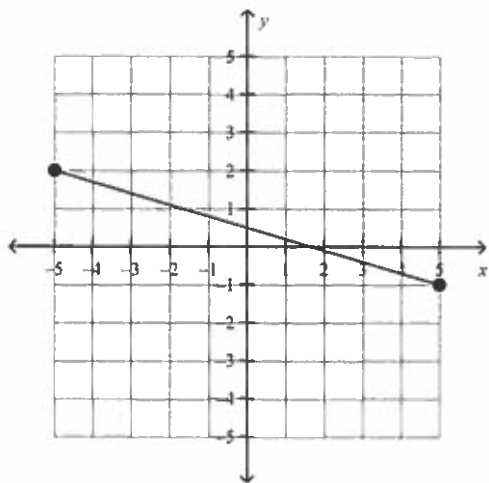


15. Write the slope-intercept form of the equation for the line.

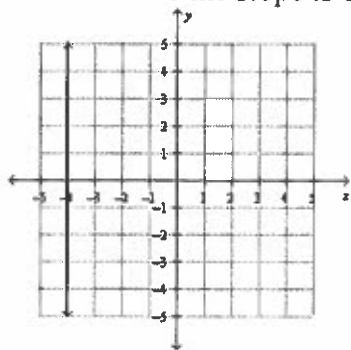


Write the slope-intercept form of the equation for the line.

16.



17. State whether the slope is 0 or undefined.



18. Find the x - and y -intercept of the line.

$$x + 5y = 30$$

x -int: _____ y -int: _____

19. Write an equation in point-slope form for the line through the given point with the given slope.

$$(-2, -9); m = \frac{2}{5}$$

20. A line passes through (5, 3) and (4, 5).
a) Write an equation for the line in point-slope form.

Equation: _____

- b) Change the equation from part a) into slope-intercept form.

Equation: _____