

Algebra I

5.3 Warm-Up #1

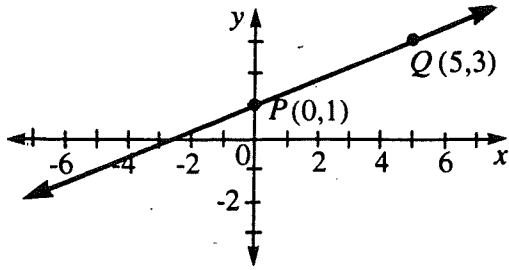
The Slope-Intercept Form of an Equation

NAME: _____

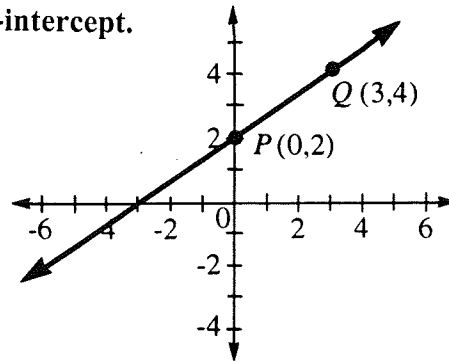
DATE: _____ HOUR: _____

Write the equation of each line shown. Use the slope and y-intercept.

1.



2.



3. Which of the following does not belong?

- a. the constant in the equation $y = mx + b$
- b. where the graph crosses the y-axis

- c. the slope of a line
- d. $(0, b)$

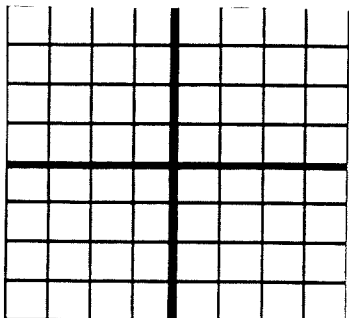
over

4. Which of the following does not belong?

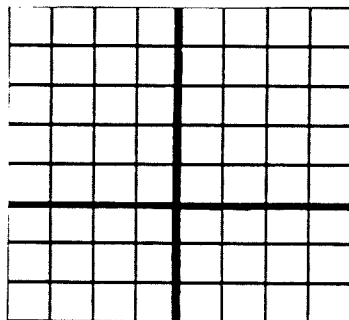
- a. the coefficient of x in the equation $y = mx + b$
- b. $\frac{y_2 - y_1}{x_2 - x_1}$
- c. the steepness of a line
- d. the y-intercept

Graph each of the following lines from their equations.

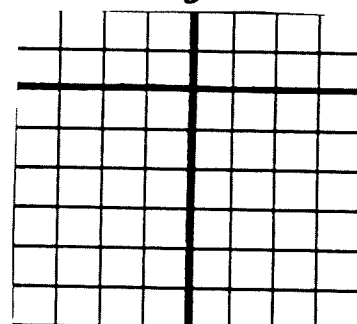
5. $y = 2x - 3$



6. $y = -\frac{1}{2}x + 4$



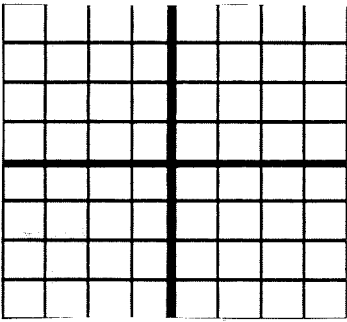
7. $y = -\frac{2}{3}x - 1$



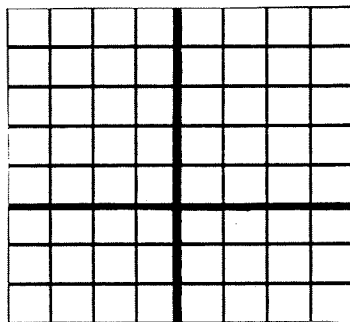
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- the coefficient of x in the equation $y = mx + b$
 - $\frac{y_2 - y_1}{x_2 - x_1}$
 - the steepness of a line
 - the y -intercept

Graph each of the following lines from their equations.

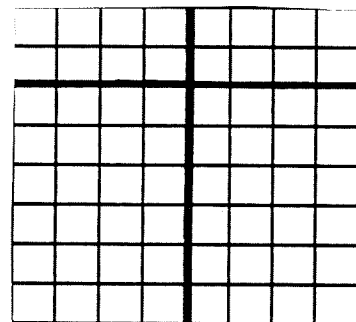
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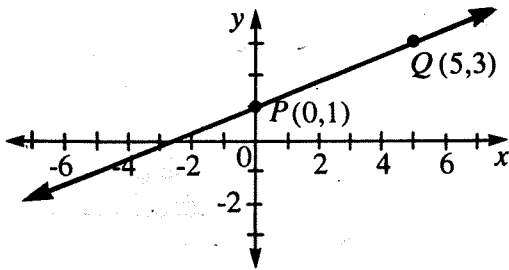
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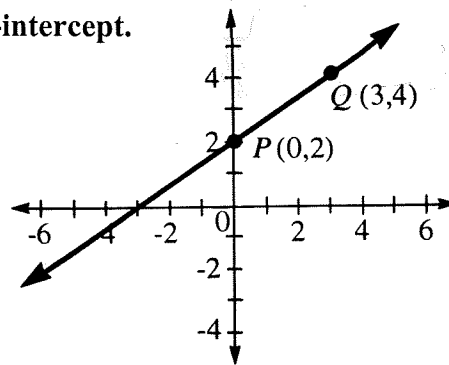
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Write the equation of each line shown. Use the slope and y -intercept.

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2.



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- | | |
|--|------------------------|
| a. the constant in the equation $y = mx + b$ | c. the slope of a line |
| b. where the graph crosses the y -axis | d. $(0, b)$ |