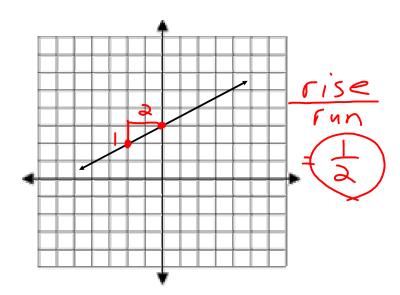
Chapter 13 practice problems

Find the slope of this line.



Find the slope of a line that contains the points:

$$(-1, 7)$$
 and $(5, -2)$



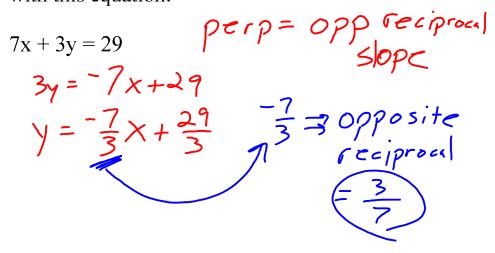
Find the slope of a line that is parallel to this equation:

$$6x + 2y = 10$$

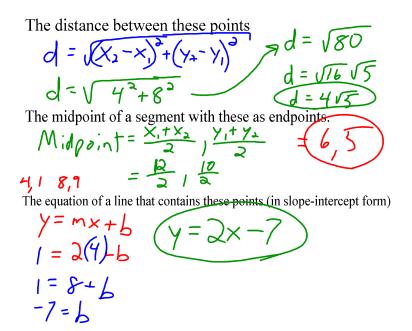
$$(m=-3)$$

$$y = -3x + 5$$

Find the slope of a line that is perpendicular to the line with this equation:



If you are given these points: (4, 1) and (8, 9) Find the following:



2 lines have the equations shown below. At what point will these lines intersect?

Intersect?
$$4x + 2y = 2$$

$$8x + 4y = 4$$

$$3x - 4y = -37$$

$$1/x = -33$$

$$x = -3$$

Quadrilateral GEOM has the following points:

G (2, 1)
E (4, 4)
O (10, 0)
M (8, -3)

$$GE = \frac{3}{3}$$

perpendicular

 $G(2, 1)$
 $GE = \frac{3}{3}$

perpendicular

Explain why this quadrilateral must be a rectangle.

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