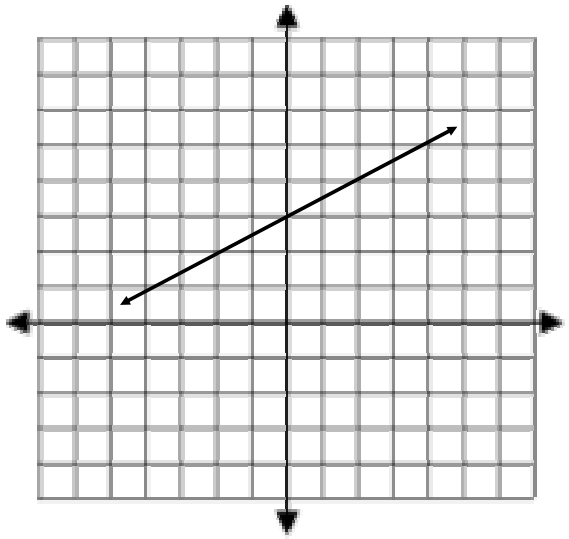
Chapter 13 practice problems

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:

$6x + 2y = 10$

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

$7x + 3y = 29$

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

The distance between these points

The midpoint of a segment with these as endpoints.

The equation of a line that contains these points (in slope-intercept form)

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

$4x + 2y = 2$

$3x - 4y = -37$

Quadrilateral GEOM has the following points:

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

Explain why this quadrilateral must be a rectangle.