

Pg. 25 1.3 – Linear Equations in Two Variables

Ex 1:

Sketch the lines through the point with the indicated slopes on the same set of coordinate axes.

Point

$(-4, 1)$

Slopes

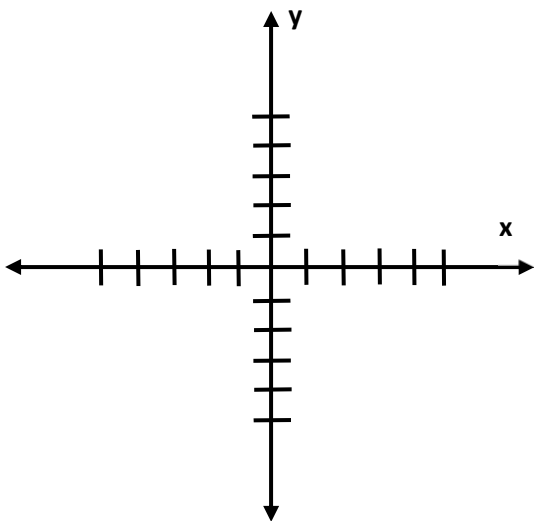
a) 3

b) -3

c) $\frac{1}{2}$

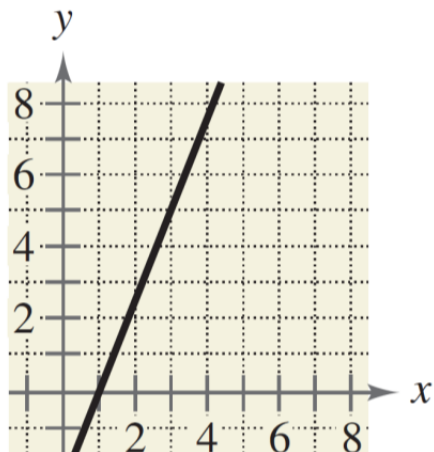
d) undefined

e) 0



Ex 2:

Estimate the slope of the line.



Ex 3:

Use the point and slope of a line to find one additional point through which the line passes.

Point

$(-1, -6)$

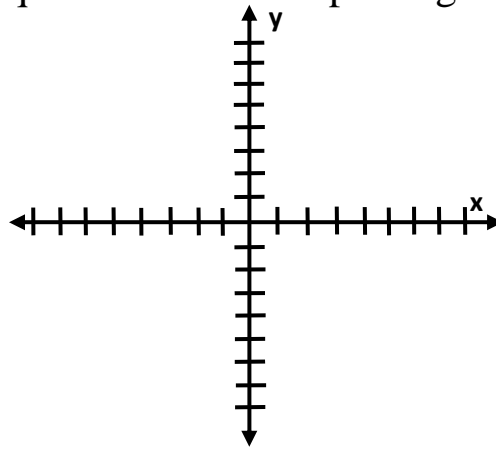
Slopes

$m = -\frac{1}{2}$

Ex 4:

Find the slope intercept form of the equation of the line passing through the points. Sketch the line.

$$(4,3), (-4,-4)$$



0

Parallel Lines:**Perpendicular Lines:****Ex 5:**

Write the slope-intercept forms of the equations of the lines through the given point (a) parallel to the given line and (b) perpendicular to the given line.

$$(-3,2) \quad x + y = 7$$

Assignment 1.3

Pg. 34 Vocab #'s 1-4, 7 Problem Set #'s 1-77 ODD, 93, 101, 103, 109

Check Answers Pg. A80