Practice (6.3A)

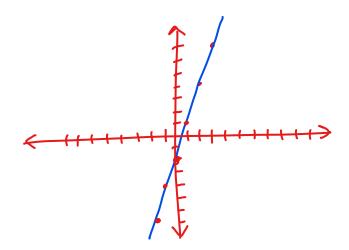


- **1.** Consider the linear equation y = 3x 1.
 - **a)** Make a table of values using x = -2, -1, 0, 1, 2.
 - **b)** Graph the ordered pairs from the table.
 - **c)** Use the equation to calculate y when x = 4.
 - **d)** For the point (x, -10), what is the value of x?

		(
a)	X	4
	-2	1,2
	-1	-4
	0	-1
	1	2
	1-5	~

Eng	y = 3k - 1 y = 3(-2) - 1 = -6 - 7
	= .7

4)



(rc, -10)

c)
$$y = 3 \times -1$$

 $y = 3(4) - 1$
 $= 12 - 1$
 $y = 11$

$$d) y = 3x - 1$$

$$(-10) = 3x - 1$$

$$-10 = 3x - 1$$

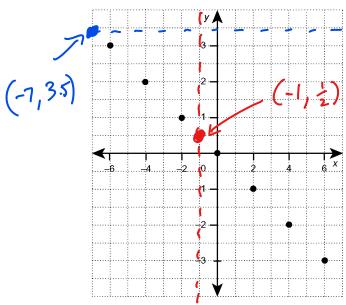
$$+1 + 1$$

$$-9 = 3x$$

$$3$$

$$-3 = x$$

2. The graph below represents part of the linear relation $y = \frac{x}{-2}$.



a) Use the graph to estimate y when x = -1.

b) Use the equation to calculate y when x = 16.

$$y = \frac{32}{-2}$$
 $y = \frac{(16)}{-2}$ $y = -8$

c) For the point (x, 3.5), estimate the value of x from the graph.

+1 +1 +1

_		+1	+ (#	41	
	X	6	1	2	3	3 4
	У	0	1	4	9	1 6
						-

b) Is this a linear relation? Use two different ways to explain your answer.

