

Name: _____
Date: _____ Hour: _____

Lesson 1-5 Review Worksheet

Read and follow directions. Show ALL work and steps. Circle/Highlight your answers.

Find the slope.

- 1) (4,1) and (-7,1) 2) (14,3) and (14,-7) 3) (-1,5) and (-6,-5) 4) (-4,-8) and (4,8)

0

Undefined

2

2

5)

x	y
1	4
3	-2
5	-8

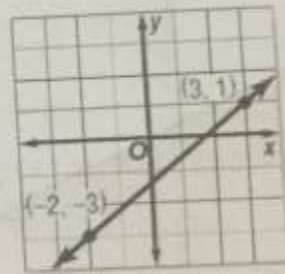
-3

6)

x	y
10	50
20	100
30	150

5

7)



$\frac{4}{5}$

Write each equation in slope-intercept form. Then identify the slope, the y-intercept, and sketch the graph.

8) $y = 5x - 3$

9) $y + 4x = 1$

10) $2x + y = 0$

$y = -4x + 1$

$y = -2x$

Slope: 5

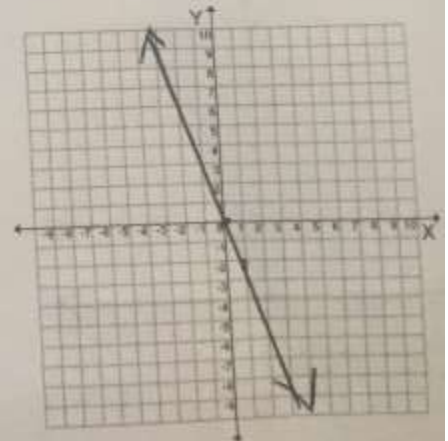
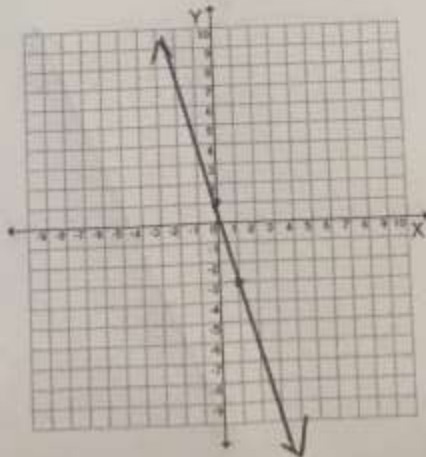
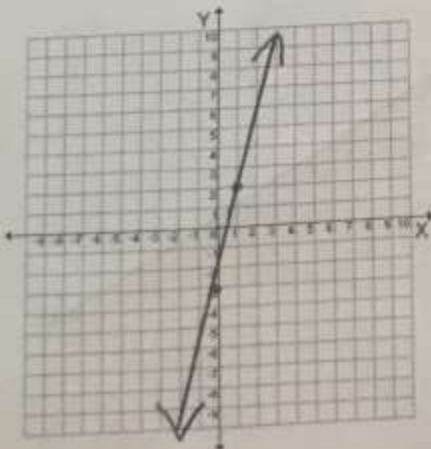
Slope: -4

Slope: -2

y-int: (0, -3)

y-int: (0, 1)

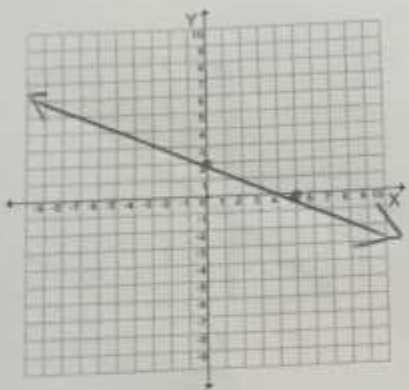
y-int: (0, 0)



11) $2x + 5y = 10$

$y = -\frac{2}{5}x + 2$

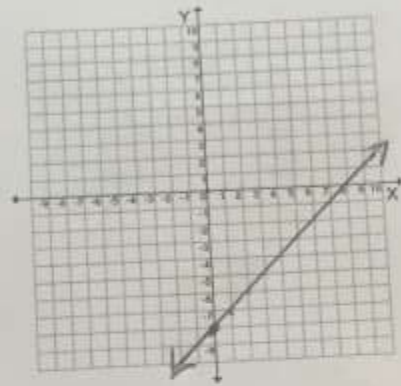
Slope: $-\frac{2}{5}$
 y-int: $(0, 2)$



12) $-x + y = -8$

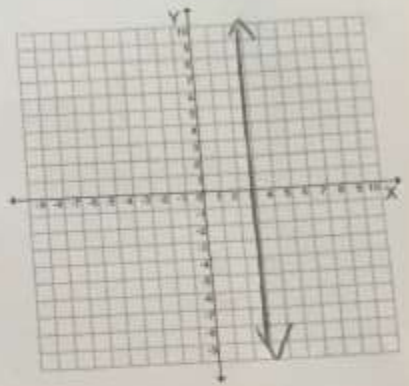
$y = x - 8$

Slope: 1
 y-int: $(0, -8)$



13) $x = 3$

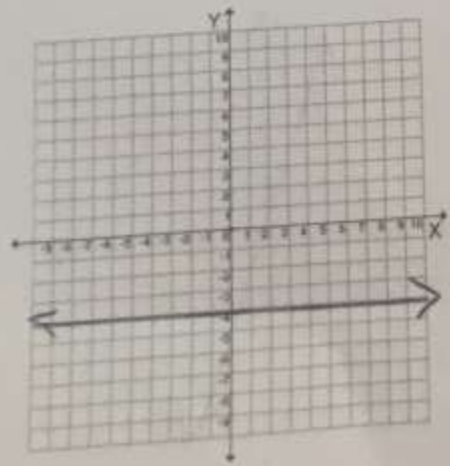
Slope: undefined
 x-int: $(3, 0)$



14) $y + 4 = 0$

$y = -4$

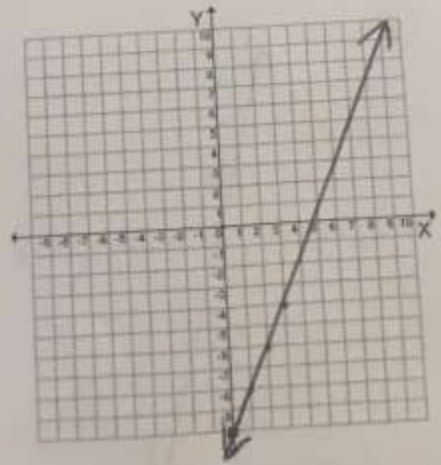
Slope: 0
 y-int: $(0, -4)$



15) $y + 4 = 2(x - 3)$

$y = 2x - 10$

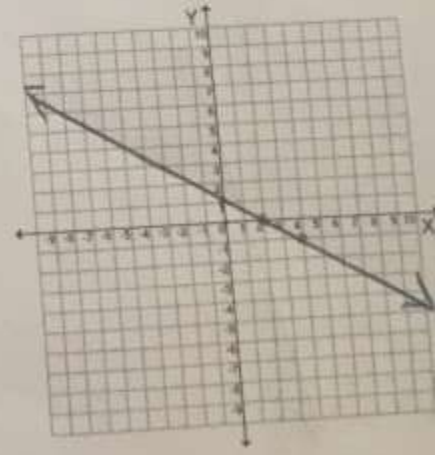
Slope: 2
 y-int: $(0, -10)$



16) $y - 3 = -\frac{1}{2}(x + 4)$

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

Slope: $-\frac{1}{2}$
 y-int: $(0, 1)$



Given the information, write an equation in slope-intercept form.

17) $(-1, -6)$ $m = 4$

$$y = 4x - 2$$

18) $(1, -4)$ $m = 0$

$$y = -4$$

19) $(-2, 3)$ $m = \frac{3}{2}$

$$y = \frac{3}{2}x + 6$$

20) $(-2, 4)$ $(1, 2)$

$$y = -\frac{2}{3}x + \frac{8}{3}$$

21) $(-2, -3)$ $(4, 5)$

$$y = \frac{4}{3}x - \frac{1}{3}$$

22) x -int: -4 y -int: -3

$$y = -\frac{3}{4}x - 3$$