

Writing Equations From Two Points Day 2

Date _____ Period _____

Write the slope-intercept form of the equation of the line through the given point with the given slope.

1) through: $(1, 4)$, slope = 2

2) through: $(-5, 0)$, slope = -1

3) through: $(2, -3)$, slope = 6

4) through: $(-1, -2)$, slope = 6

Write the slope-intercept form of the equation of the line through the given points.

5) through: $(1, -1)$ and $(2, 5)$

6) through: $(-4, -2)$ and $(0, -5)$

7) through: $(0, -4)$ and $(3, -2)$

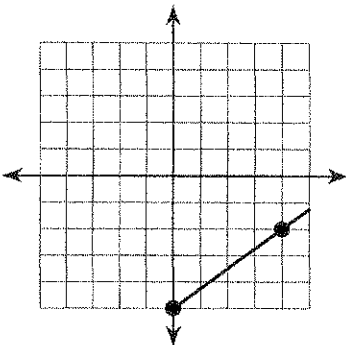
8) through: $(0, -4)$ and $(1, 1)$

9) through: $(0, -3)$ and $(-3, -2)$

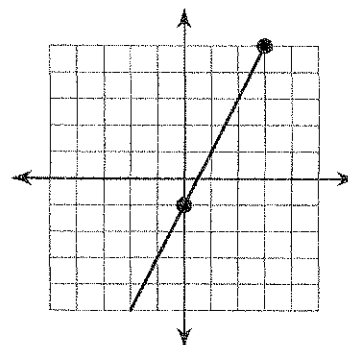
10) through: $(4, 5)$ and $(0, -5)$

Find the slope of each line.

11)

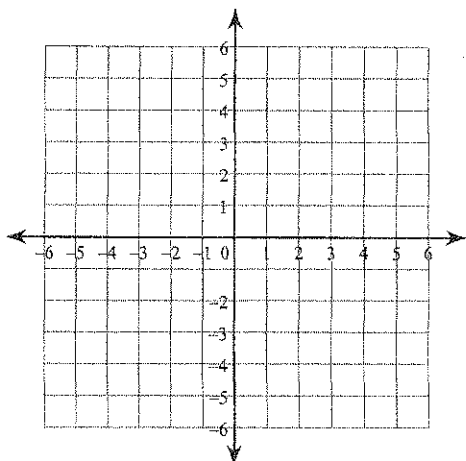


12)

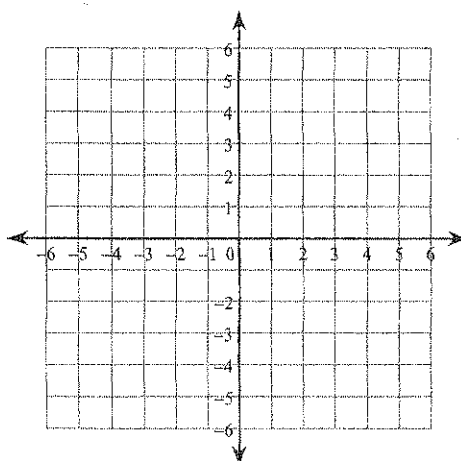


Sketch the graph of each line.

13) $y = \frac{1}{4}x - 1$



14) $y = -\frac{1}{4}x - 2$



Find the slope of the line through each pair of points.

15) $(-14, -12), (-3, 19)$

16) $(-1, 8), (7, -5)$

Write the slope-intercept form of the equation of the line through the given points.

17) through: $(-2, 3)$ and $(0, 2)$

18) through: $(-5, -1)$ and $(0, 3)$

19) through: $(-2, -3)$ and $(1, 3)$

20) through: $(-1, -3)$ and $(-2, 4)$

21) through: $(-4, 5)$ and $(-3, -2)$

22) through: $(1, -4)$ and $(-2, 2)$

23) through: $(-2, -2)$ and $(-3, -4)$

24) through: $(0, 2)$ and $(-2, 4)$

25) through: $(-2, 3)$ and $(0, -3)$

26) through: $(-4, 4)$ and $(0, -5)$