

Writing Equations From Two Points Day 1

Date _____ Period _____

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

1) $(9, -13), (20, 4)$

2) $(-20, -1), (-11, -10)$

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

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

4) through: $(5, 4)$, slope = $\frac{8}{5}$

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

6) through: $(-5, 5)$, slope = $-\frac{1}{5}$

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

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

8) through: $(1, 3)$ and $(2, 2)$

9) through: $(5, -4)$ and $(4, 5)$

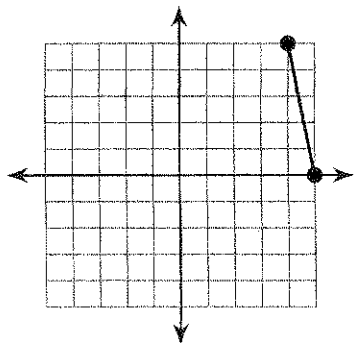
10) through: $(0, -5)$ and $(5, 0)$

11) through: $(-1, 5)$ and $(0, -5)$

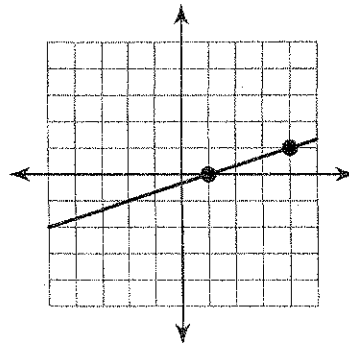
12) through: $(-2, 2)$ and $(0, -4)$

Find the slope of each line.

13)

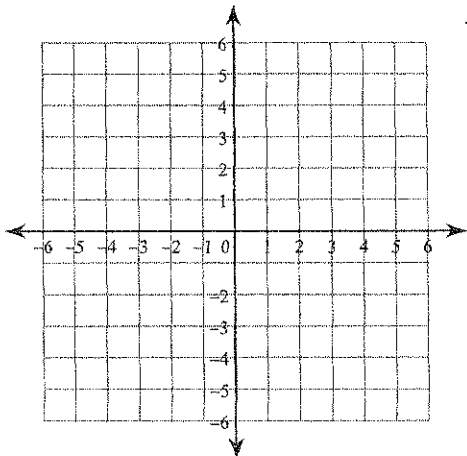


14)

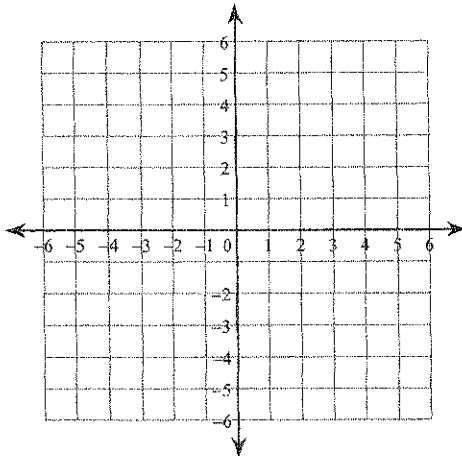


Sketch the graph of each line.

15) $y = -\frac{7}{2}x + 3$



16) $y = -2x + 1$



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

17) $(8, 3), (-17, 8)$

18) $(-20, 15), (-7, -16)$

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

19) through: $(-5, 1)$ and $(-4, 3)$

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

Write the slope-intercept form of the equation of each line.

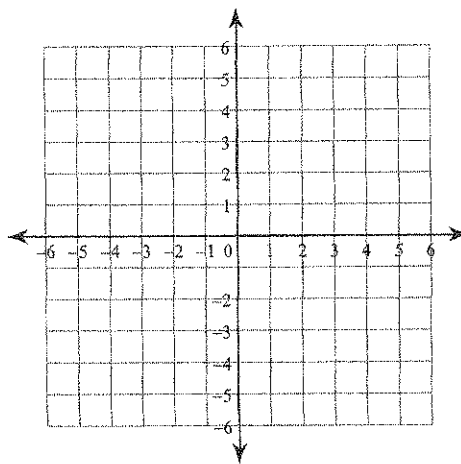
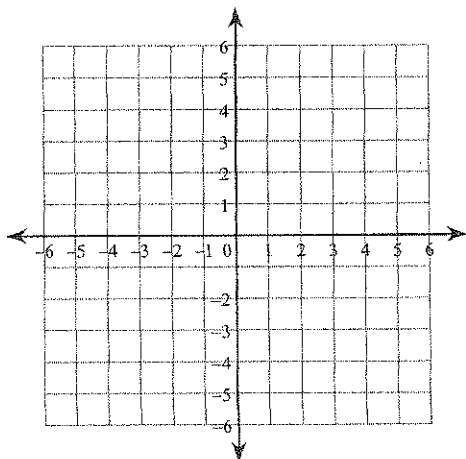
21) $2x - y = 2$

22) $7x - 2y = -12$

Sketch the graph of each line.

23) $x + 2y = -10$

24) $4x - 3y = 0$



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

25) through: $(2, -5)$ and $(3, -1)$

26) through: $(-4, 5)$ and $(3, 1)$