Algebra 1 Name_____ ID: 1

Quiz 1 Study Guide

Date_____ Period____

Find the slope of each line.

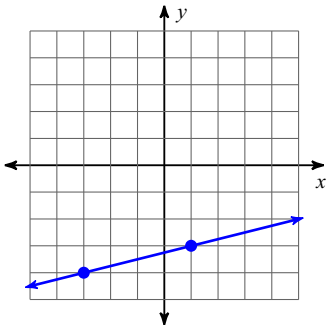
1) $y = x - 2$

2) $y = -x$

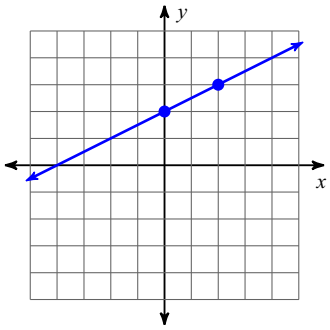
3) $x + 2y = 0$

4) $x = -2$

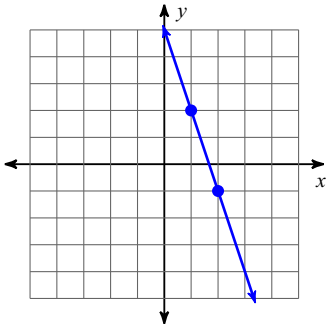
5)



6)



7)



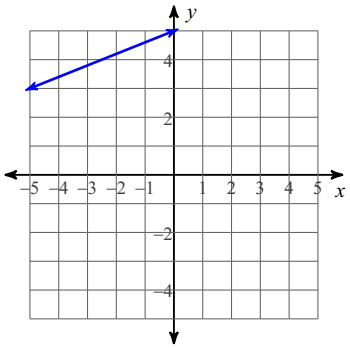
Find the slope of the line through each pair of points.

8) $(-20, 2), (-19, 12)$

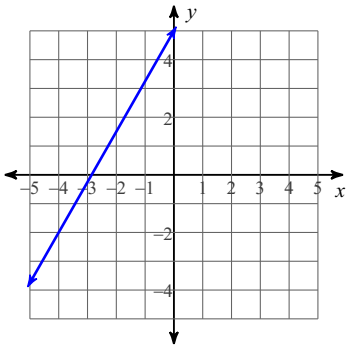
9) $(-9, 17), (3, 11)$

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

10)



11)



12) $5x + 3y = 15$

13) $5x + 2y = -16$

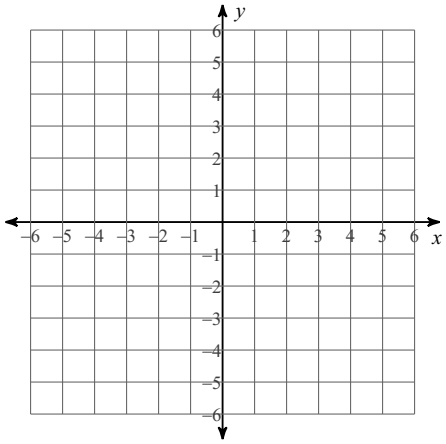
Write the slope-intercept form of the equation of the line through the given points.

14) through: $(-2, -5)$ and $(4, -4)$

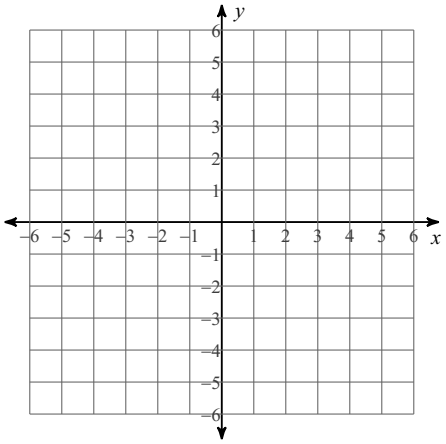
15) through: $(4, 2)$ and $(3, 0)$

Sketch the graph of each line and write its equation in slope-intercept form.

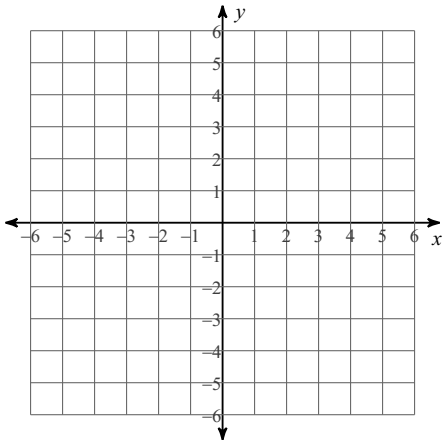
16) x-intercept = 4, y-intercept = 3



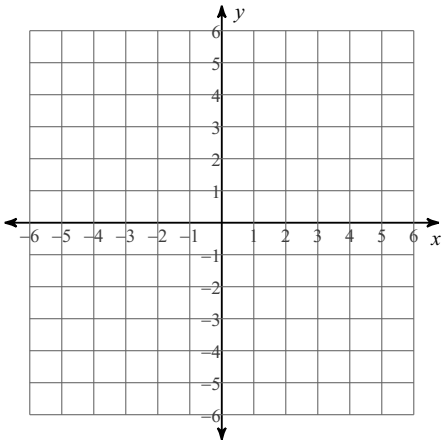
17) x-intercept = 1, y-intercept = 3



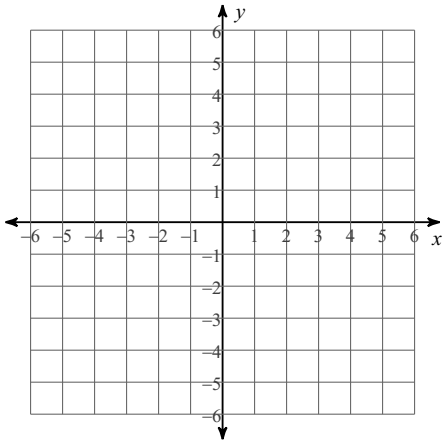
18) $-2x = -1 - y$



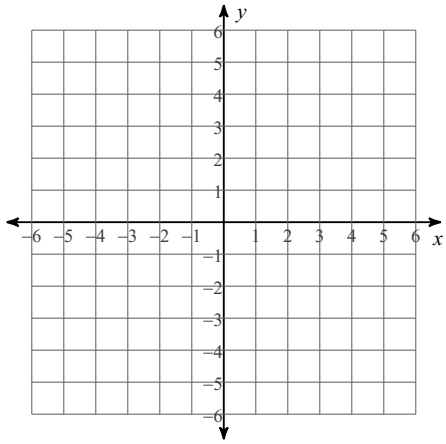
19) $7x + 8 = -2y$



20) $3x = -y + 5$



21) $60 - 6x = -15y$



Solve each system by graphing.

22) $y = -x - 3$
$y = -6x + 2$

23) $y = \frac{3}{2}x + 4$
$y = -2x - 3$

24) $0 = -11x + 6 - y$
$0 = -y - 5$

25) $11x = -4y - 36$
$-9x + 12y = 60$