

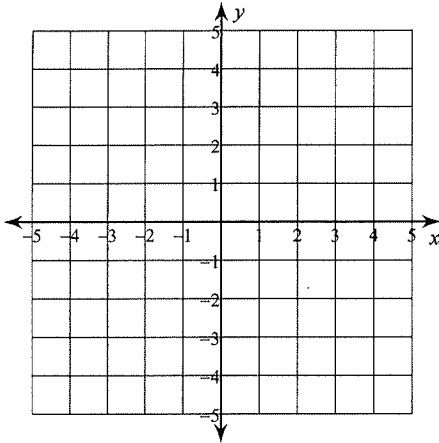
Quiz 6 Practice

Date _____ Period _____

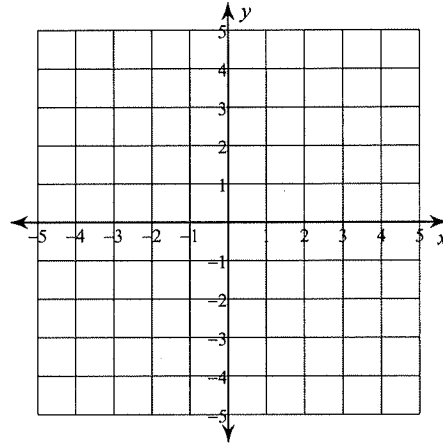
Solve each system by graphing. First get $y = mx + b$!

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

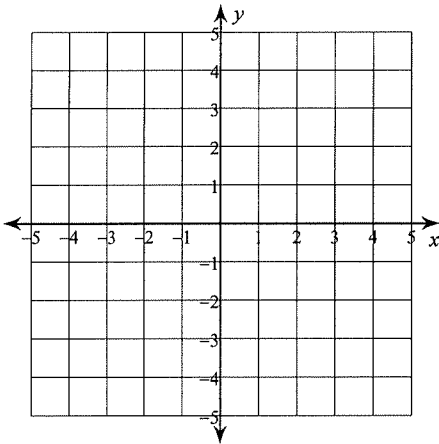
$y = -\frac{1}{2}x - 1$



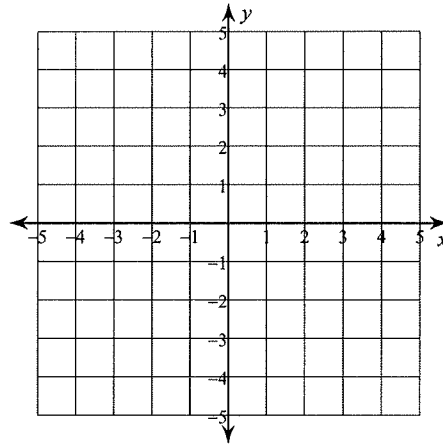
2) $7x + 2y = -6$
 $y = 4$



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



4) $x = -3y - 6$
 $-3y = x + 6$



Solve each system by substitution.

5) $y = -2$
 $2x + 7y = -22$

6) $3x + 5y = 0$
 $y = -2x - 7$

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

7) through: $(5, -4)$, slope = $-\frac{3}{5}$

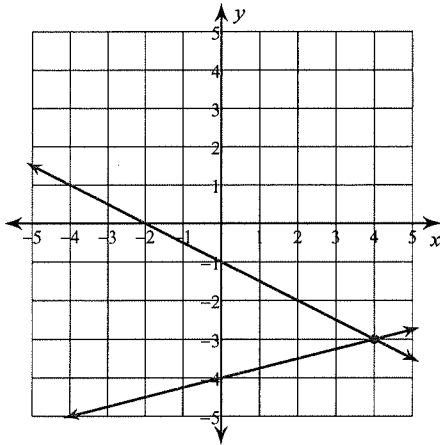
8) through: $(1, -2)$, slope = 3

Quiz 6 Practice

Solve each system by graphing. First get $y = mx + b$!

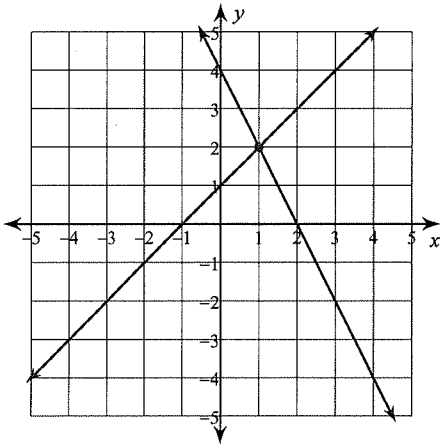
1) $y = \frac{1}{4}x - 4$

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



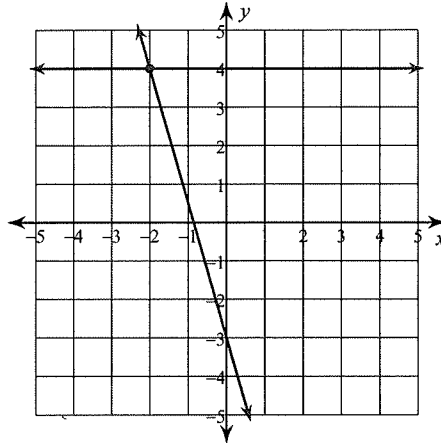
(4, -3)

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



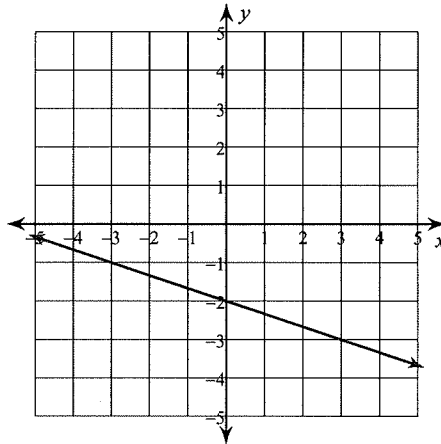
(1, 2)

2) $7x + 2y = -6$
 $y = 4$



(-2, 4)

4) $x = -3y - 6$
 $-3y = x + 6$



Infinite number of solutions

Solve each system by substitution.

5) $y = -2$ (-4, -2)
 $2x + 7y = -22$

6) $3x + 5y = 0$
 $y = -2x - 7$
 (-5, 3)

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

7) through: (5, -4), slope = $-\frac{3}{5}$ $y + 4 = -\frac{3}{5}(x - 5)$

8) through: (1, -2), slope = 3 $y + 2 = 3(x - 1)$