Algebra Foundations Name_____ ID: 1

Quiz 4 Practice

Date_____ Period____

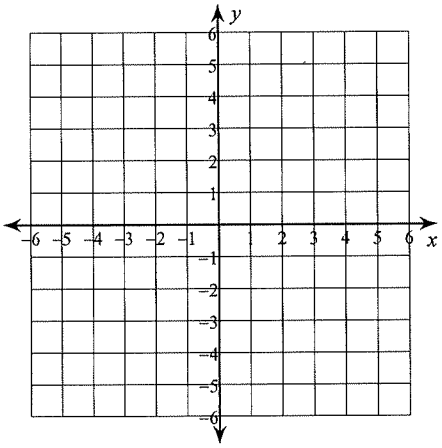
Write the slope-intercept form of the equation of each line.

1) $12 - 5x - 4y = 0$

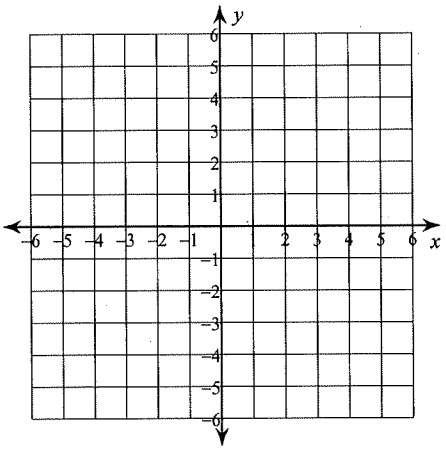
2) $-x + 2y = -2$

Sketch the graph of each line.

3) $y = -\frac{7}{4}x + 4$



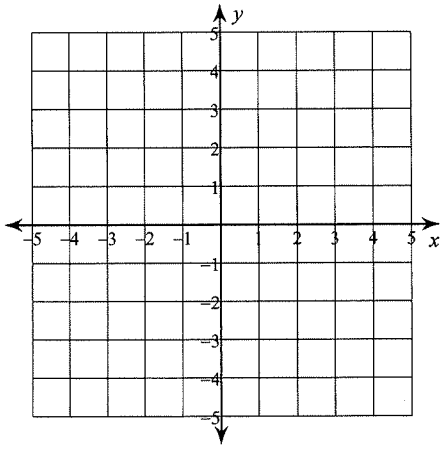
4) $0 = 6x - 3y + 6$



Solve each system by graphing.

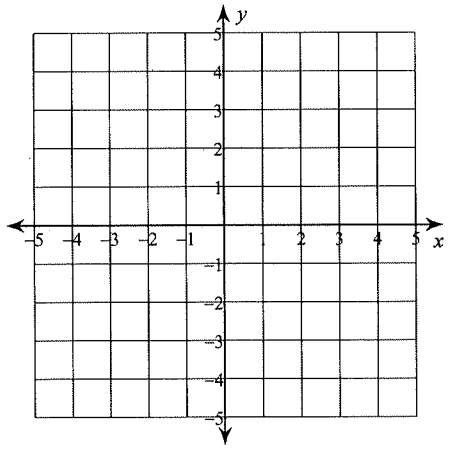
5) $y = -x - 4$

$y = \frac{2}{3}x + 1$



6) $x - 3y = 12$

$2x + y = 3$



Solve each system by substitution.

7) $-3x - 2y = 8$
$y = -2x - 8$

8) $y = 4x - 8$
$7x + 2y = -16$

9) $4x - 6y = 20$
$x + 2y = -9$

10) $-8x + 7y = -10$
$x + 4y = 11$

Solve each equation.

11) $-4(2b - 3) = 44$

12) $3(3r + 1) + 3 = 42$

Algebra Foundations Name_____ ID: 1

Quiz 4 Practice

Date_____ Period____

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

1) $12 - 5x - 4y = 0$

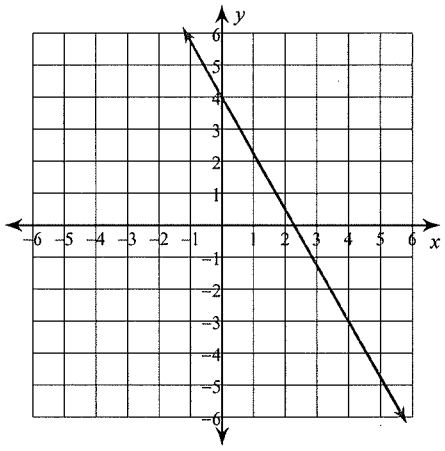
$y = -\frac{5}{4}x + 3$

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

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

Sketch the graph of each line.

3) $y = -\frac{7}{4}x + 4$



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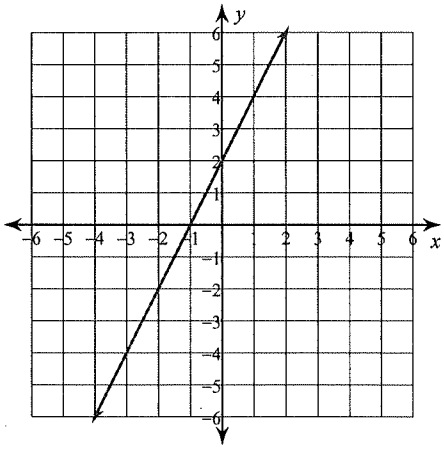

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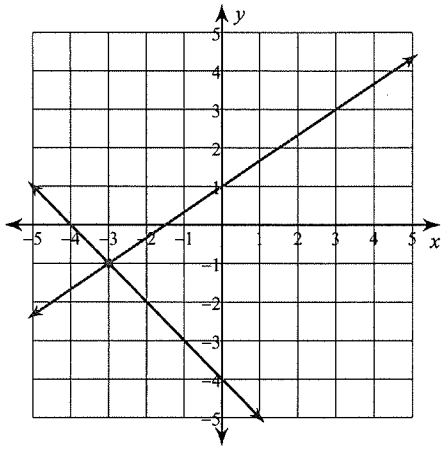
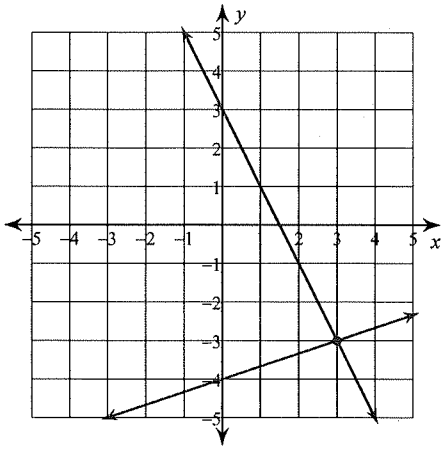


$(-3, -1)$

6) $x - 3y = 12$

$2x + y = 3$



$(3, -3)$

Solve each system by substitution.

7) $-3x - 2y = 8$
$y = -2x - 8$

$(-8, 8)$

8) $y = 4x - 8$
$7x + 2y = -16$

$(0, -8)$

9) $4x - 6y = 20$
$x + 2y = -9$

$(-1, -4)$

10) $-8x + 7y = -10$
$x + 4y = 11$

$(3, 2)$

Solve each equation.

11) $-4(2b - 3) = 44$

$\{-4\}$

12) $3(3r + 1) + 3 = 42$

$\{4\}$