Name_____

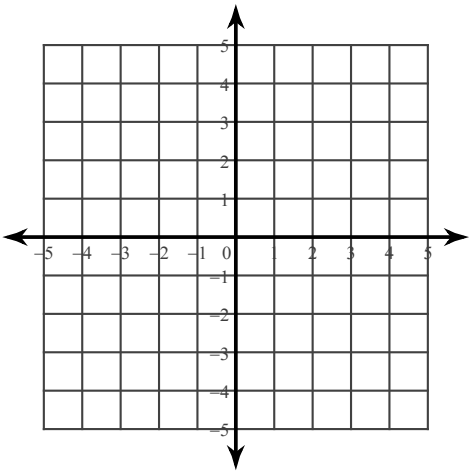
Systems of Equations Practice- all methods

Date_____ Period____

Solve each system by graphing.

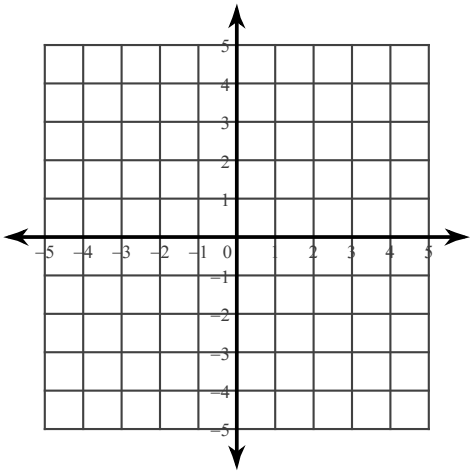
1) $y = -\frac{1}{4}x - 4$

$y = \frac{5}{4}x + 2$



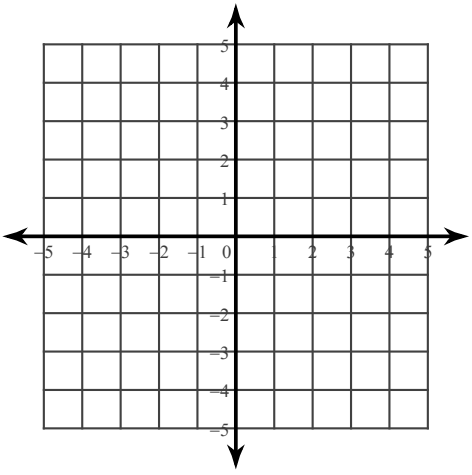
2) $y = 2x + 3$

$y = -4x - 3$



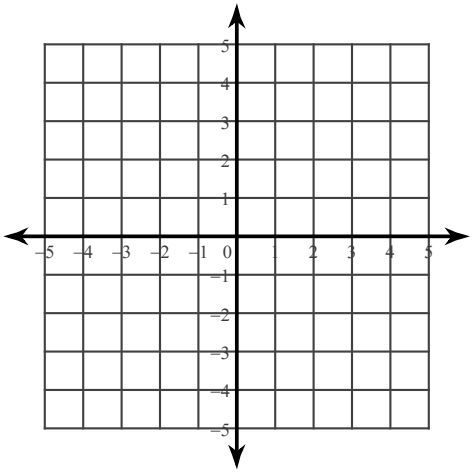
3) $7x - y = 3$

$x - y = -3$



4) $3x + 4y = 4$

$3x + 4y = -16$



Solve each system by substitution.

5) $x + 8y = -15$
$7x + 8y = -9$

6) $-5x - 7y = 11$
$x - 2y = -9$

7) $y = -7x + 1$
$5x + 4y = -19$

8) $-9x - 3y = -2$
$y = -3x - 4$

Solve each system by elimination.

9) $6x + 2y = -6$
$7x + 4y = 8$

10) $5x + 3y = 15$
$10x + 6y = 20$

11) $-6x - 9y = 0$
$-24x = 36y$

12) $-3 - 3y = 12x$
$-5 - y = 2x$

Name_____

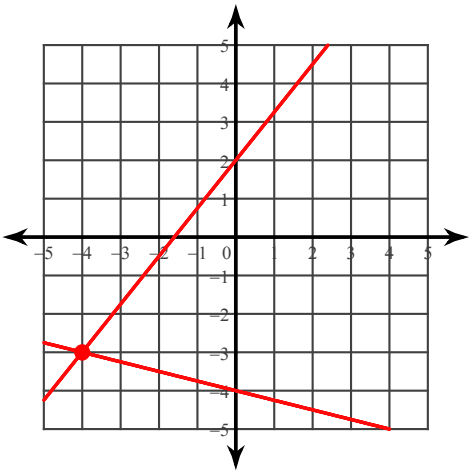
Systems of Equations Practice- all methods

Date_____ Period____

Solve each system by graphing.

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

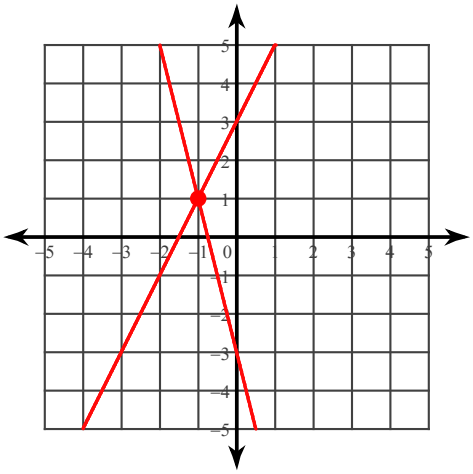
$y = \frac{5}{4}x + 2$



$(-4, -3)$

2) $y = 2x + 3$

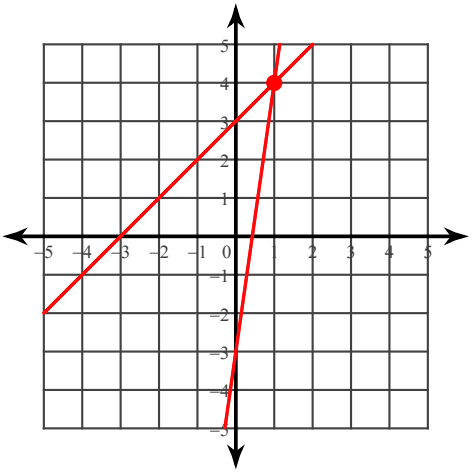
$y = -4x - 3$



$(-1, 1)$

3) $7x - y = 3$

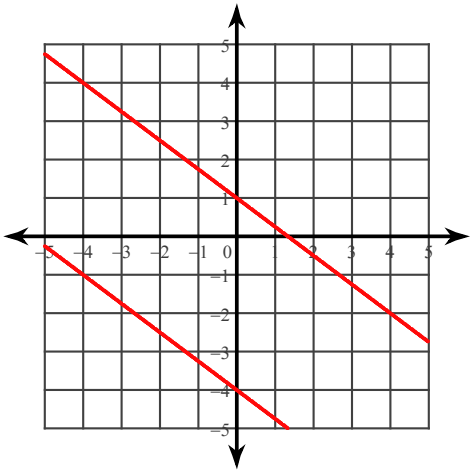
$x - y = -3$



$(1, 4)$

4) $3x + 4y = 4$

$3x + 4y = -16$



No solution

Solve each system by substitution.

5) $x + 8y = -15$
$7x + 8y = -9$

$(1, -2)$

6) $-5x - 7y = 11$
$x - 2y = -9$

$(-5, 2)$

7) $y = -7x + 1$
$5x + 4y = -19$

$(1, -6)$

8) $-9x - 3y = -2$
$y = -3x - 4$

No solution

Solve each system by elimination.

9) $6x + 2y = -6$
$7x + 4y = 8$

$(-4, 9)$

10) $5x + 3y = 15$
$10x + 6y = 20$

No solution

11) $-6x - 9y = 0$
$-24x = 36y$

Infinite number of solutions

12) $-3 - 3y = 12x$
$-5 - y = 2x$

$(2, -9)$