Algebra 2 Name_____

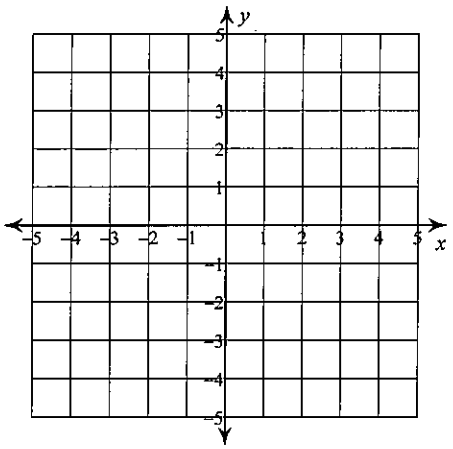
Systems of Equations review

Date_____ Period____

Solve each system by graphing.

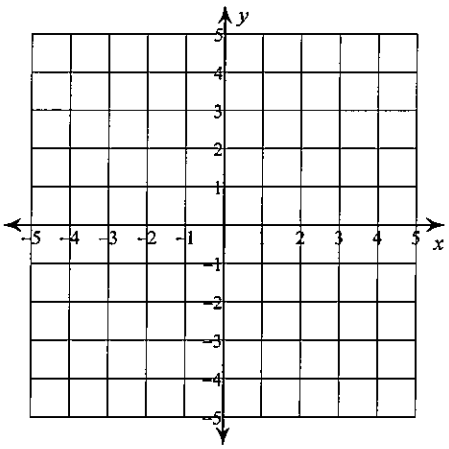
1) $y = \frac{7}{4}x - 4$

$y = \frac{1}{4}x + 2$



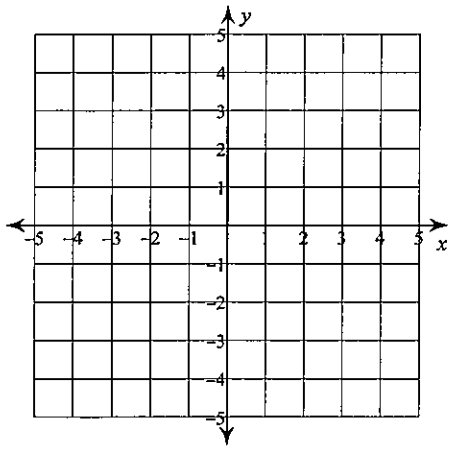
2) $y = \frac{1}{2}x + 1$

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



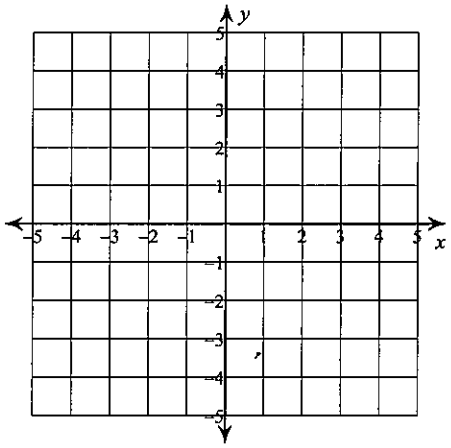
3) $y = -2x + 2$

$y = -\frac{2}{3}x - 2$



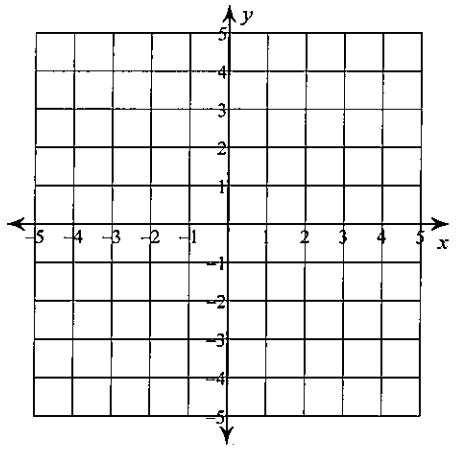
4) $y = -4x + 1$

$y = x - 4$



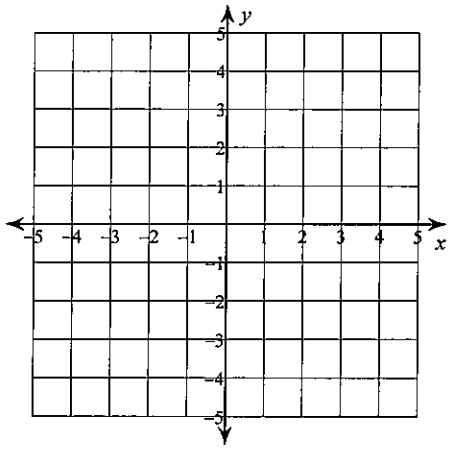
5) $y = -2x - 3$

$y = \frac{1}{3}x + 4$



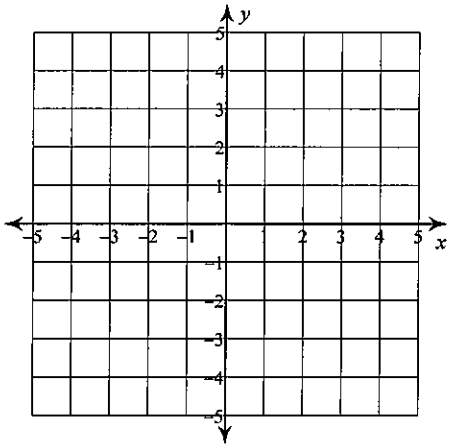
6) $y = -\frac{1}{2}x + 4$

$y = \frac{3}{4}x - 1$



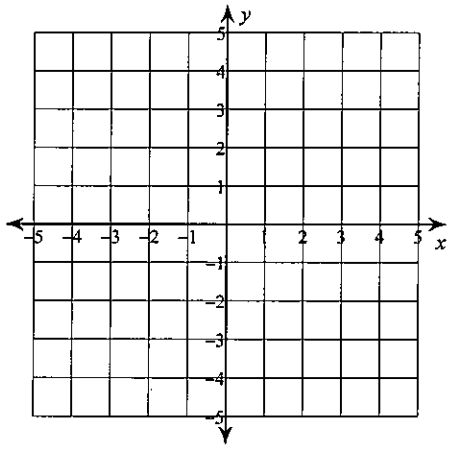
7) $y = \frac{1}{4}x - 2$

$y = -x + 3$



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

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



Solve by substitution review

Solve by substitution.

1. $x = 3y$
   $5y - x = 8$

2. $x = y + 2$
   $3y + x = 14$

3. $y = -x + 3$
   $3y - 1 = 5x$

4. $y = 2x$
   $x + y = 9$

Solve by elimination

1. $x + 2y = 7$
   $3x - 2y = 5$

2. $x + 3y = 0$
   $2x - 3y = 9$

3. $2x - y = 3$
   $4x + y = 9$

4. $2x + y = 10$
   $3x - y = 5$

5. $2x + 3y = 7$
   $-2x - y = -5$

6. $3x - 2y = 13$
   $4x + 2y = 8$