

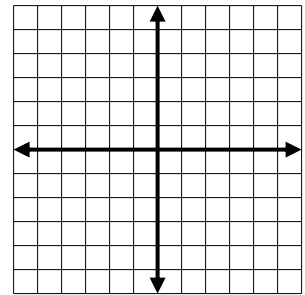
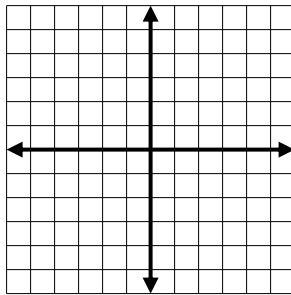
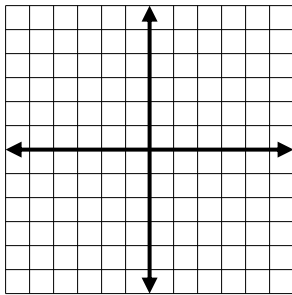
Name _____

Solve the following systems of equations by using the **“graphing” method**. Solve for y if necessary.

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

2) $x + 1 = y$
 $2x - 2y = 8$

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



Solve the following systems of equations by using the **“substitution” method**.

4) $x = 6 + y$
 $2x + y = 0$

5) $x - y = 4$
 $1 - 2x = -2y$

6) $3x + y = 5$
 $y + 4x = 7$

For each system shown, fill in the blanks with the number or numbers you would need to multiply each equation by to **eliminate** (cancel) either variable. If an equation should not be changed, write “no change”.

7) _____ $2x - 8y = 1$

8) _____ $2y - 7x = 10$

9) _____ $-x - 8y = 0$

_____ $5x + 2y = -1$

_____ $3y + 3x = -6$

_____ $-9x + 4y = 2$

Solve each system of equations using the *“elimination method”*.

10) $7y - 2x = 10$
 $2y + 2x = -1$

11) $2x - y = -1$
 $3x + 2y = 30$

12) $2x - 3y = 8$
 $5x - 2y = -2$

Solve each of these systems using whichever method you feel is best (*graphing, substitution or elimination*). There are extra graphing grids at the bottom if you choose to use that method.

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

14) $-5x + y = 7$
 $4y + 5x = 3$

15) $x - 3y = -2$
 $6 + 3x = 9y$

