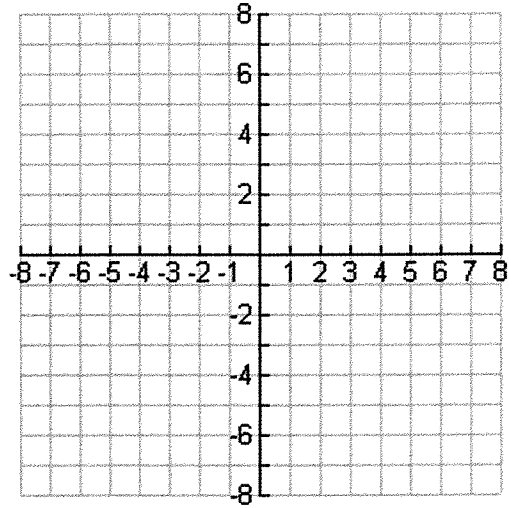


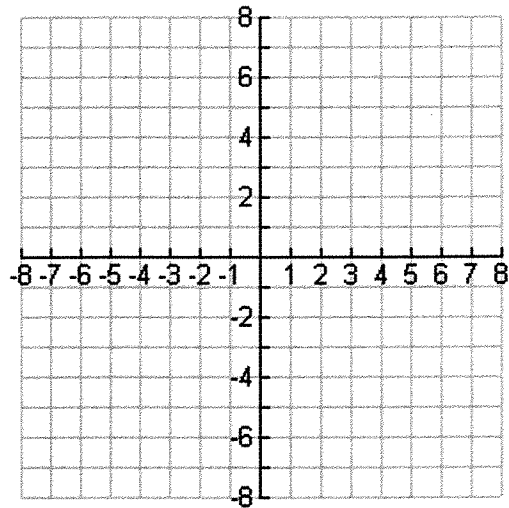
## Solving Systems of Equations

By Graphing:

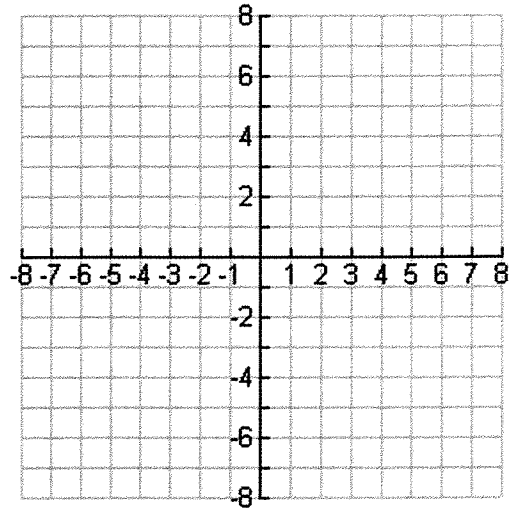
1.  $3x + 2y = 6$   
 $x + 4y = -8$



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



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



By Substitution:

4.  $x + 3y = -28$   
 $y = -5x$

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

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

7.  $\frac{x}{2} + \frac{y}{3} = \frac{7}{6}$   
 $\frac{x}{4} - \frac{3y}{2} = \frac{9}{4}$

By Elimination:

8.  $x + y = 10$   
 $x - y = -6$

9.  $5x = y + 5$   
 $-5x + 2y = 0$

10.  $2x + 3y = 21$   
 $5x - 2y = -14$

11.  $\frac{1}{3}x + \frac{1}{2}y = \frac{13}{6}$   
 $\frac{1}{2}x - \frac{1}{4}y = -\frac{3}{4}$

Choose the best method and solve:

12.  $3x + 5y = 69$   
 $y = 4x$

13.  $3x + y = -7$   
 $x - y = -5$

14.  $4x + 3y = 1$   
 $3x + 2y = 2$

15.  $2x + 5y = 4$   
 $x + y = -1$