



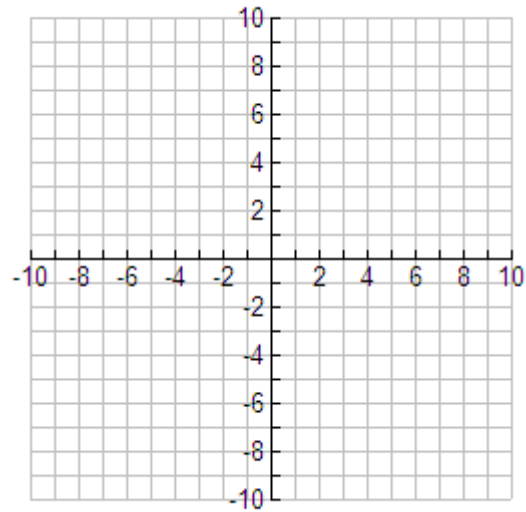
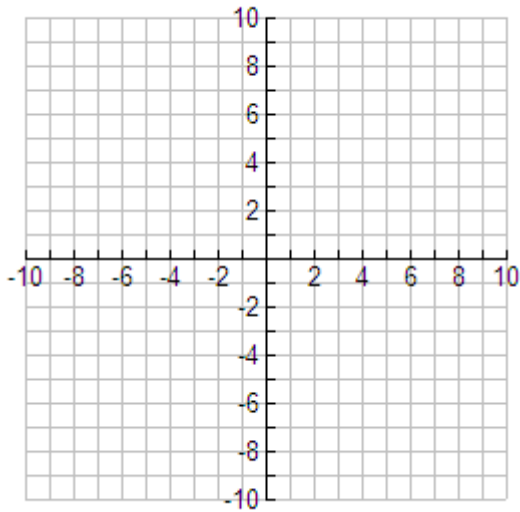
### SOLVING SYSTEMS BY GRAPHING WORKSHEET

1. Rewrite each equation in slope-intercept form.
2. Determine the slope and y-intercept and use them to graph each equation.
3. The solution to the linear system is the ordered pair where the lines intersect.
4. Check your solution algebraically by substitution into both equations. In order to be a solution it must make both equations true.

Graph the linear system and state the solution. Then, check the solution algebraically.

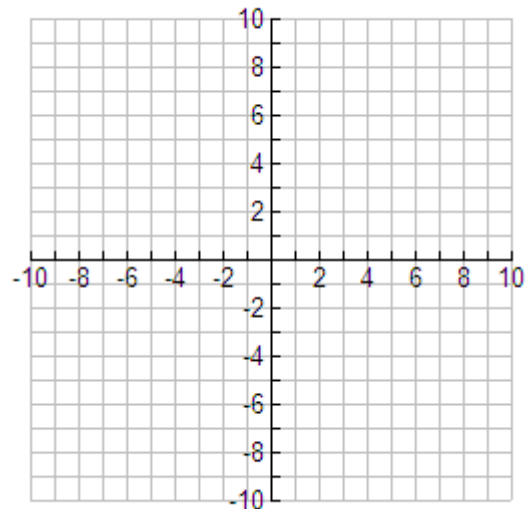
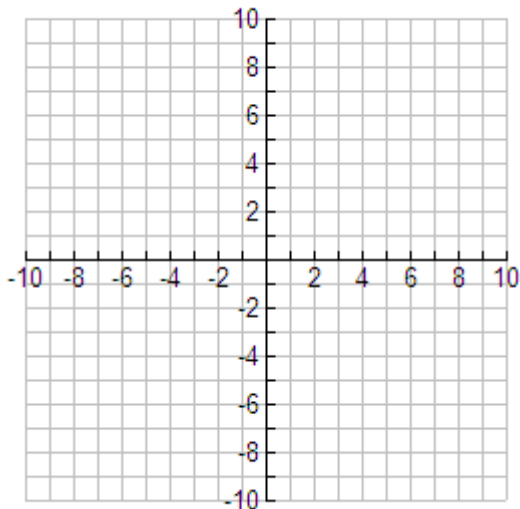
1.  $x - y = 0$   
 $2x + y = 3$

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

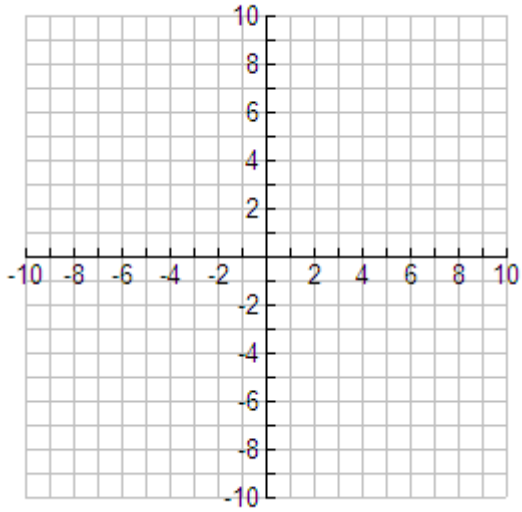


3.  $3x + 2y = 4$   
 $2x + y = 1$

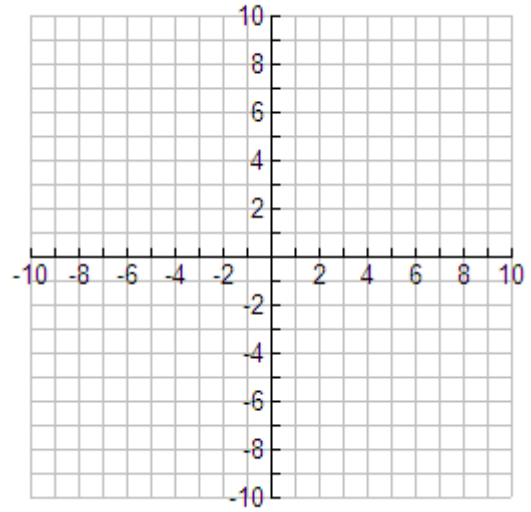
4.  $x + y = 1$   
 $x - 3y = 9$



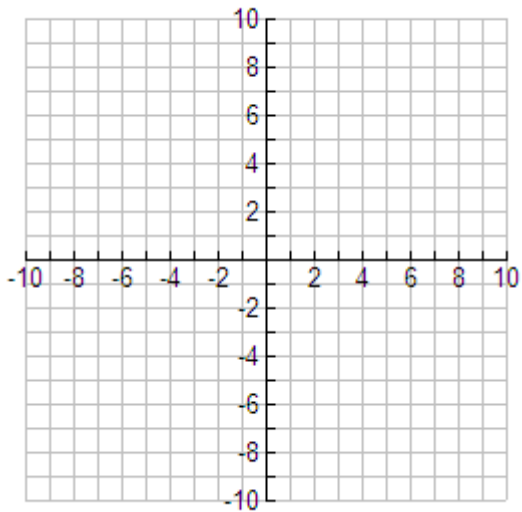
5.  $y = 4x + 3$   
 $x + y = -2$



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



7.  $3x - 2y = 6$   
 $x + y = 2$



8.  $x + 2y = 4$   
 $2x - y = 8$

