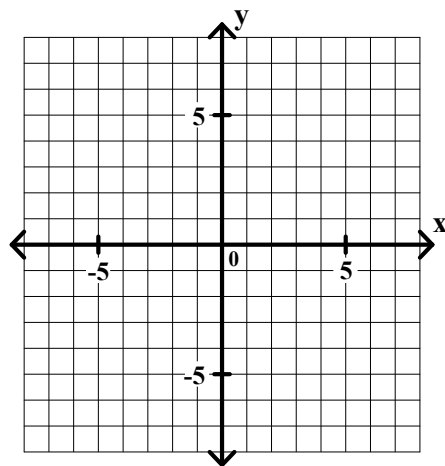
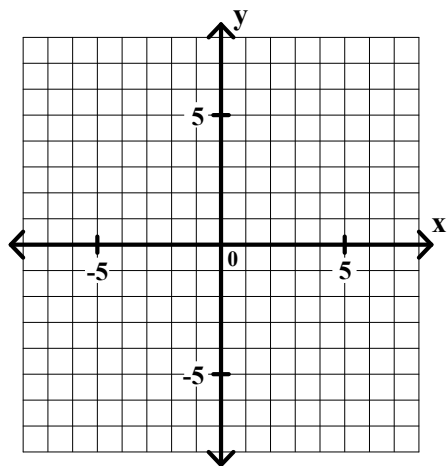


General Algebra 2 Worksheet #4 Unit 3 page 1 _____

Solve each of the following systems using the graphing method.

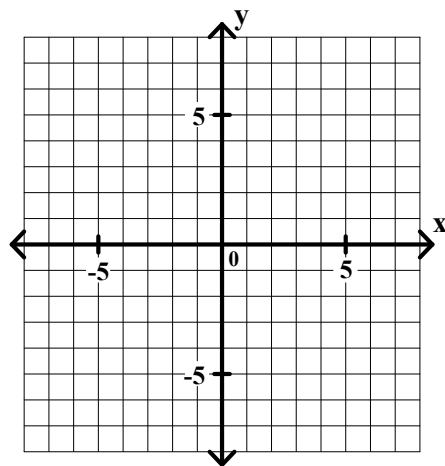
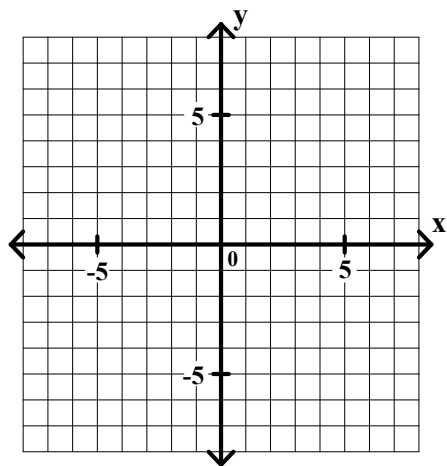
1. $y = \frac{1}{2}x - 4$ $x = \underline{\hspace{2cm}}$
 $y = \frac{3}{2}x + 4$ $y = \underline{\hspace{2cm}}$

2. $y = -2x + 5$ $x = \underline{\hspace{2cm}}$
 $y = \frac{1}{2}x + 2$ $y = \underline{\hspace{2cm}}$



3. $y = -2x + 4$ $x = \underline{\hspace{2cm}}$
 $3x - 2y = 6$ $y = \underline{\hspace{2cm}}$

4. $x + 2y = 0$ $x = \underline{\hspace{2cm}}$
 $-x + 4y = 12$ $y = \underline{\hspace{2cm}}$



General Algebra 2 Worksheet #4 Unit 3 page 2

Solve each of the following systems of equations using the **substitution method**. Show your work neatly organized.

5. $2x + 3y = 19$ $x = \underline{\hspace{2cm}}$
 $y = 4x - 3$ $y = \underline{\hspace{2cm}}$

6. $5x - 2y = 10$ $x = \underline{\hspace{2cm}}$
 $y = x + 4$ $y = \underline{\hspace{2cm}}$

7. $3x - 5y = 16$ $x = \underline{\hspace{2cm}}$
 $y = 3x - 2$ $y = \underline{\hspace{2cm}}$

8. $x = 2y + 5$ $x = \underline{\hspace{2cm}}$
 $4x - 3y = 5$ $y = \underline{\hspace{2cm}}$

General Algebra 2 Worksheet #4 Unit 3 page 3

Solve each of the following systems of equations using the **multiplication-addition method**. Show your work neatly organized.

9. $4x + 3y = 11$ $x = \underline{\hspace{2cm}}$
 $2x - y = 3$ $y = \underline{\hspace{2cm}}$

10. $3x - 5y = 19$ $x = \underline{\hspace{2cm}}$
 $2x + 3y = 0$ $y = \underline{\hspace{2cm}}$

11. $5x - 3y = 19$ $x = \underline{\hspace{2cm}}$
 $3x - 4y = 7$ $y = \underline{\hspace{2cm}}$

12. $7x - 3y = 4$ $x = \underline{\hspace{2cm}}$
 $2x + 4y = -11$ $y = \underline{\hspace{2cm}}$