Systems Pre Test Name_____

Solve the following systems by **<u>graphing</u>**.

1. $y = \frac{2}{3}x + 5$

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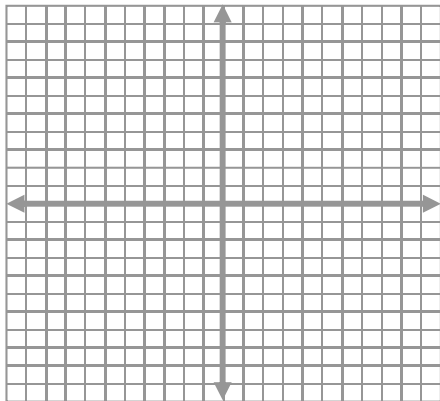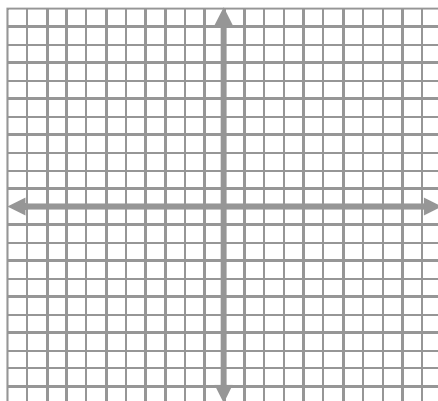
2. $y = -\frac{1}{2}x + 4$

   $y = 2x - 6$

3. $x - y = 7$

   $3x - 3y = -6$
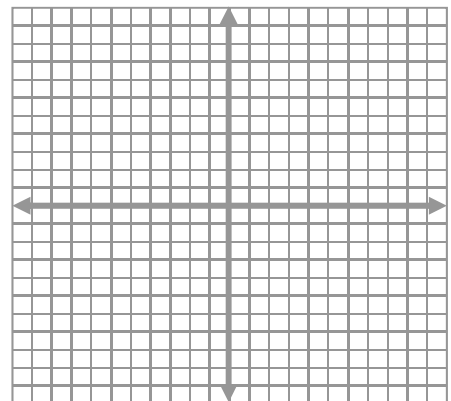
Solution:_____

Solution:_____

Solution:_____

Solve the following systems by the **<u>substitution method</u>**.

4. $y = 2x + 4$

   $y = 6x - 4$

5. $3x - 2y = 8$

   $y = -2x + 3$

6. $5x + 2y - 3z = 7$

   $z = -4$

   $x = y - 8$

Solve the following systems by the **<u>elimination method</u>**. (Also known as the linear combination method)

7. $x + y = 7$

   $x - y = 5$

8. $2x + y = 2$

   $5x - 3y = -6$

9. $2x + 5y = 18$

   $3x - 2y = -11$