Assignment: Solving Systems Using 3 Methods

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

**Solve by graphing.**

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

 $y=-x+4$ $4y=3x+12$

![[image]]()![[image]]()![[image]]()![[image]]()![[image]]()

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

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

![[image]]()![[image]]()

**Solve by substitution or elimination. Show Work!**

5. $5x+2y=4$ 6. $x+2y=6$

 $3x+y=9$ $5x+3y=2$

7. $3x-5y=-9$ 8. $2x=7-3y$

 $2y=3x+3$ $4y=10-3x$

9. $y=-x+5$ 10. $x+2y=15$

 $x-4y=10$ $5x=2y+3$

11. $4x=-7y-12$ 12. $10x-5=3y$

 $-3y=12x-36$ $2x-3y=1$