Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_

**5.3 Introductory Worksheet (5.1-5.2 Review)**

Solve each system by graphing. Check your answer.

1. $\left\{\begin{array}{c}y=x+1\\y=-x+5\end{array}\right.$ 2. $\left\{\begin{array}{c}y=x+3\\y=-2x+6\end{array}\right.$





solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_

Solve each system by substitution. Check your answer.

1.  4. 

solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_

Solve each system by elimination. Check your answer.



Example: 

**Step 1:** terms are already lined up

**Step 2:** eliminate y, by adding straight down then divided by 8 to solve to get $x=2$

**Step 3:** substitute 2 into the first equation and solve for $y=0$

**Step 4:** write as an ordered pair

+

 $x=2$

 $3\left(2\right)+y=6$

 $6+y=6$

 $y=0$

 $(2,0)$

1. $\left\{\begin{array}{c}-x+y=1\\x+y=3\end{array}\right.$ 6. $\left\{\begin{array}{c}x-y=-3\\2x+y=0\end{array}\right.$

 solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_

1.  8. 

 solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_

1. $\left\{\begin{array}{c}-2x-y=-5\\3x+y=-1\end{array}\right.$ 10. $\left\{\begin{array}{c}x+y=3\\2x-y=6\end{array}\right.$

solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_

1. $\left\{\begin{array}{c}2x+5y=9\\-2x+6y=-20\end{array}\right.$ 12. $\left\{\begin{array}{c}6x-2y=4\\-8x+2y=4\end{array}\right.$

 solution: \_\_\_\_\_\_\_ solution: \_\_\_\_\_\_\_