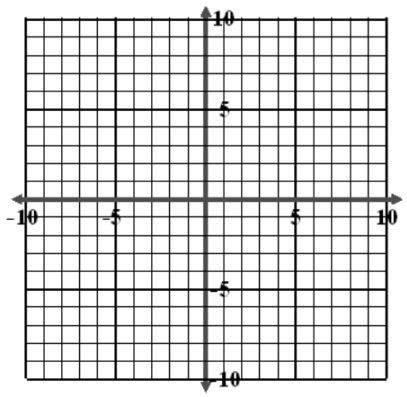
Principles of Algebra Name/Date_____

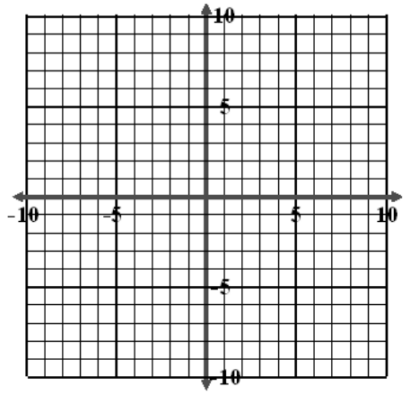
WS 9A.1 – Solving Systems of Equations by Graphing

Solve each system of equations by graphing.

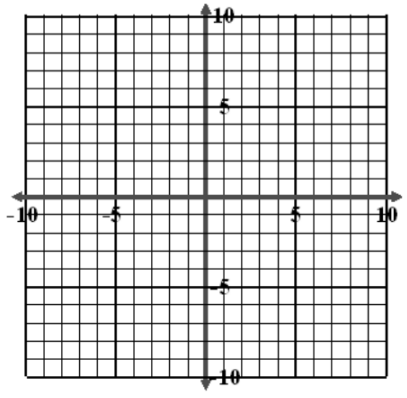
1. $\begin{cases} x + y = 4 \\ 2x - y = 5 \end{cases}$



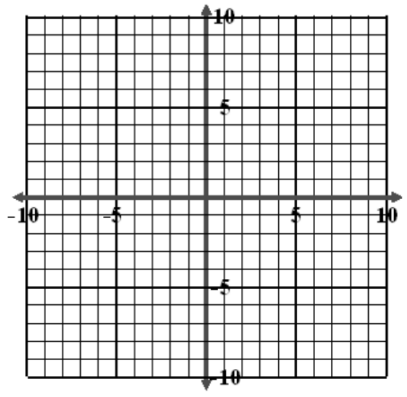
2. $\begin{cases} x + y = 0 \\ 3x - 2y = 10 \end{cases}$



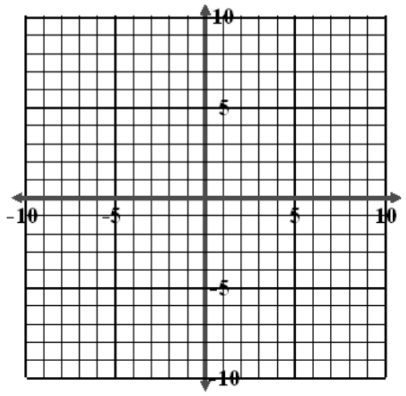
3. $\begin{cases} 2x + y = 7 \\ x + y = 3 \end{cases}$



4. $\begin{cases} x + y = 1 \\ 2x - 2y = 6 \end{cases}$



5. $\begin{cases} 3x+2y=9 \\ 4x-y=1 \end{cases}$



Use Algebra to determine whether the point **(1, 4)** is a solution to each system.

6. $\begin{cases} y=x+3 \\ y=2x-2 \end{cases}$	**7.** $\begin{cases} y=3x+1 \\ y=-x+5 \end{cases}$	**8.** $\begin{cases} y=5x-1 \\ y=-2x+6 \end{cases}$

Use Algebra to determine whether the point **(-2, 6)** is a solution to each system.

9. $\begin{cases} y-x=8 \\ 4x-y=2 \end{cases}$	**10.** $\begin{cases} x+y=4 \\ x-y=8 \end{cases}$	**11.** $\begin{cases} 4x+y=-2 \\ y=-x+4 \end{cases}$