HW: 2.9 Solving Systems of Non-linear systems Algebra 2 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_

**Directions**: *Solve the following systems algebraically.*

1. $\begin{matrix}y=x\\y=x^{2}-2\end{matrix}$ 2. $\begin{matrix}y=-x+1\\y=x^{2}+5x+6\end{matrix}$ 3. $\begin{matrix}y=x^{2}+4x-1\\y=x-3\end{matrix}$

**Directions**: *Solve the following systems by graphing.*

4. $\begin{matrix}y=(x-2)^{2}-9\\y=x-1\end{matrix}$ 5. $\begin{matrix}y=(x+2)^{2}+2\\y=2x-6\end{matrix}$ 6. $\begin{matrix}y=(x+1)^{2}-2\\y=3x+5\end{matrix}$