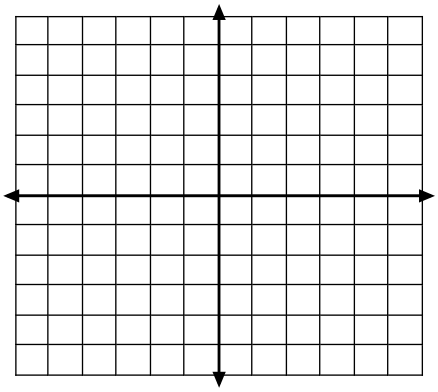
Pre-Calc. 11 LG 14A QUIZ (Formative Assessment)

Marking Teacher: _____ **Name:** _____

Student #: _____

1. Sketch a graph and state the solution(s) for the following functions.

$f(x) = (x-2)^2 - 3$ and $f(x) = x + 2$



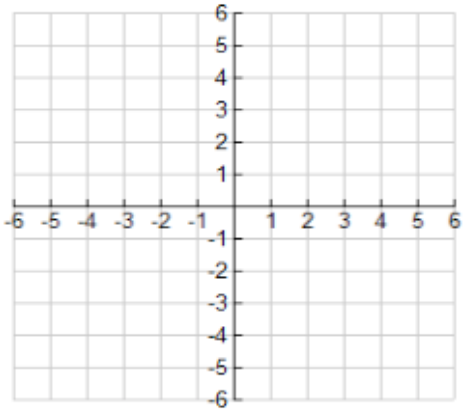
2. What method would you use to solve this system of equations. $A = 2x + 3$

$A = x^2 + 2x + 4$

Graphing / Substitution / Elimination: Why? _____

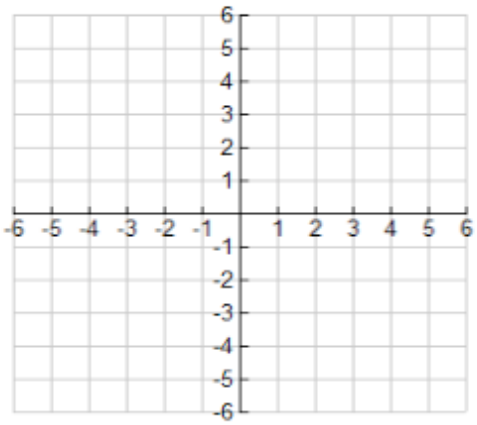
For questions **3 & 4**, solve the linear and quadratic system by graphing.

3.) $\begin{cases} y = -(x-2)^2 + 5 \\ y = -x + 1 \end{cases}$



Solution(s): _____

4.) $\begin{cases} y = x^2 - 4x + 2 \\ y = -\frac{3}{4}x - 1 \end{cases}$



Solution(s): _____

5. Which of these systems (may be more than one) has (½, ¾) as a solution?

I. $\begin{cases} 2x+y=14 \\ 3x-y=1 \end{cases}$ II. $\begin{cases} y-x=5 \\ x-y=-5 \end{cases}$ III. $\begin{cases} 3x=2y \\ 5x-2y=1 \end{cases}$

6. Solve $\begin{cases} 2x+3y=2 \\ 4x^2+y^2=4 \end{cases}$

7. Solve the system of equation. $\begin{cases} 6x-2y=40 \\ x^2-5x-y=5 \end{cases}$

8.) $\begin{cases} x+y=5 \\ y+1=3x^2+2x \end{cases}$ → Solution(s): _____

9.) $\begin{cases} x^2+y-8=0 \\ x+y-2=0 \end{cases}$ → Solution(s): _____

10.) $\begin{cases} 5x+y=2x^2+6 \\ y+4x=7x-2 \end{cases}$ → Solution(s): _____

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**