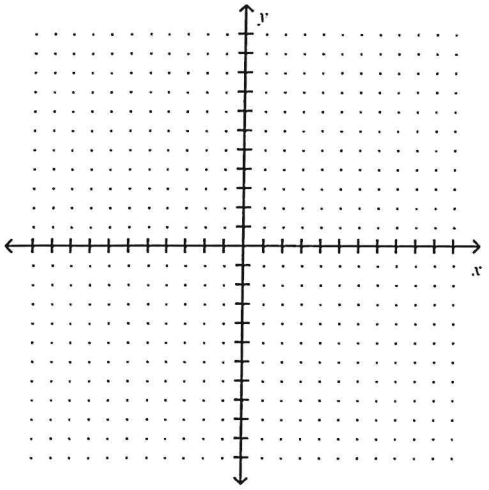
Name: _____ Class: _____ Date: _____

Algebra 2 CP Chapter 2 Review #1

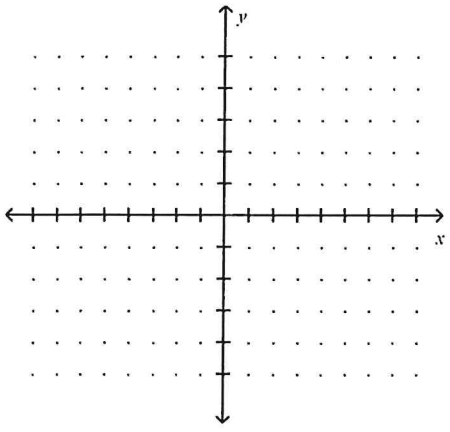
1. Graph the function:

$$\begin{cases} -x+3, & x<-1 \\ 2x+6, & x\geq -1 \end{cases}$$



2. Find the vertex of the graph:
$y = -2|x+5|+2$

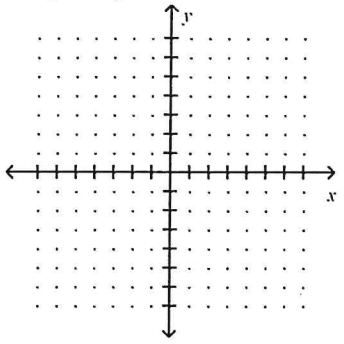
3. Graph the equation:
$y = -\frac{1}{4}|x-2|-3$



4. Evaluate $f(-2)$.

$$f(x) = \begin{cases} -x & x\leq 0 \\ x^2-3x & x>0 \end{cases}$$

5. Graph: $-y \geq 3x-5$



6. Is the ordered pair $(2,-1)$ a solution for the inequality $5x-3y\leq 10$?