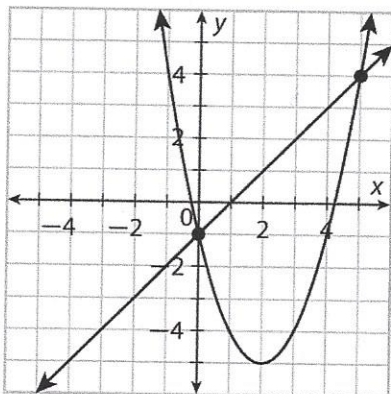


# Solving Linear-Quadratic Inequality Systems

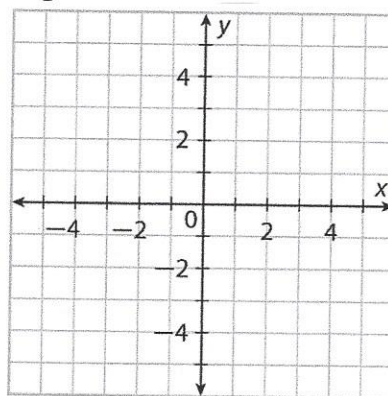
## Practice and Problem Solving: Modified

Solve each system represented by the functions graphically.  
The first one is done for you.

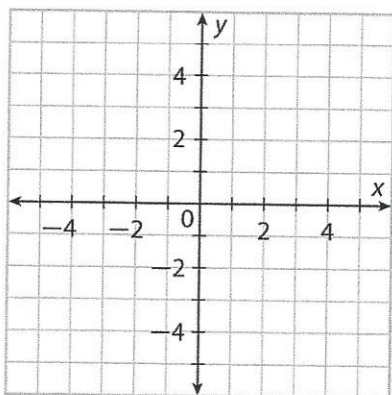
$$1. \begin{cases} y \leq x - 1 \\ y \geq (x-2)^2 - 5 \end{cases}$$



$$2. \begin{cases} y > -2x - 2 \\ y > -2(x+1)^2 + 4 \end{cases}$$



$$3. \begin{cases} y > -3x^2 - 18x - 25 \\ y > -3x - 2 \end{cases}$$



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

