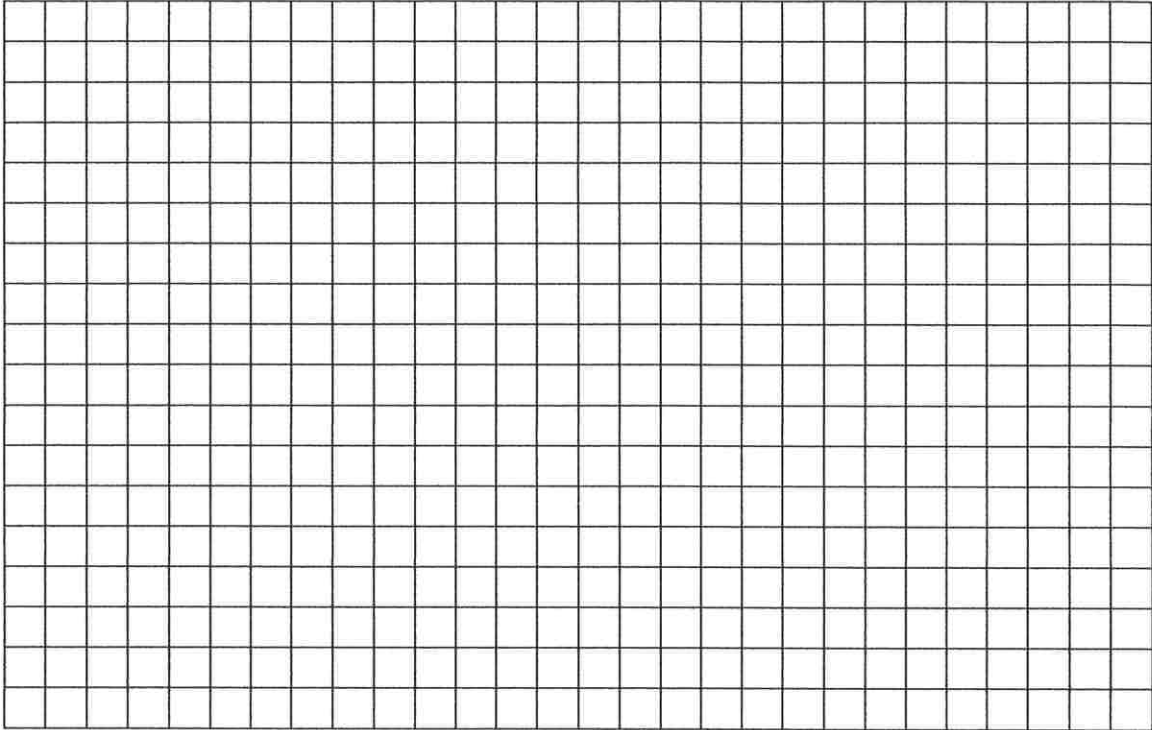


Quadratic Inequalities in Two Variables

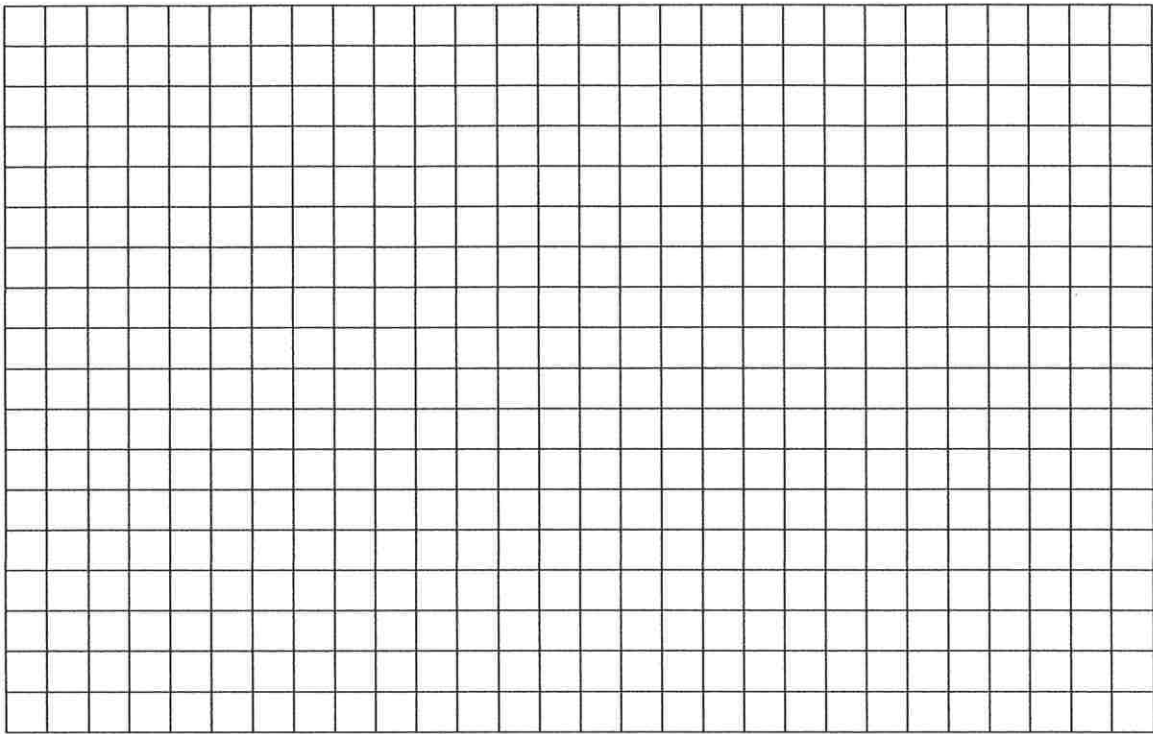
Example 1: Solve $y \leq (x + 4)^2 - 1$



∴ The solution is a region _____ the graph of _____

and it _____ the points on this graph.

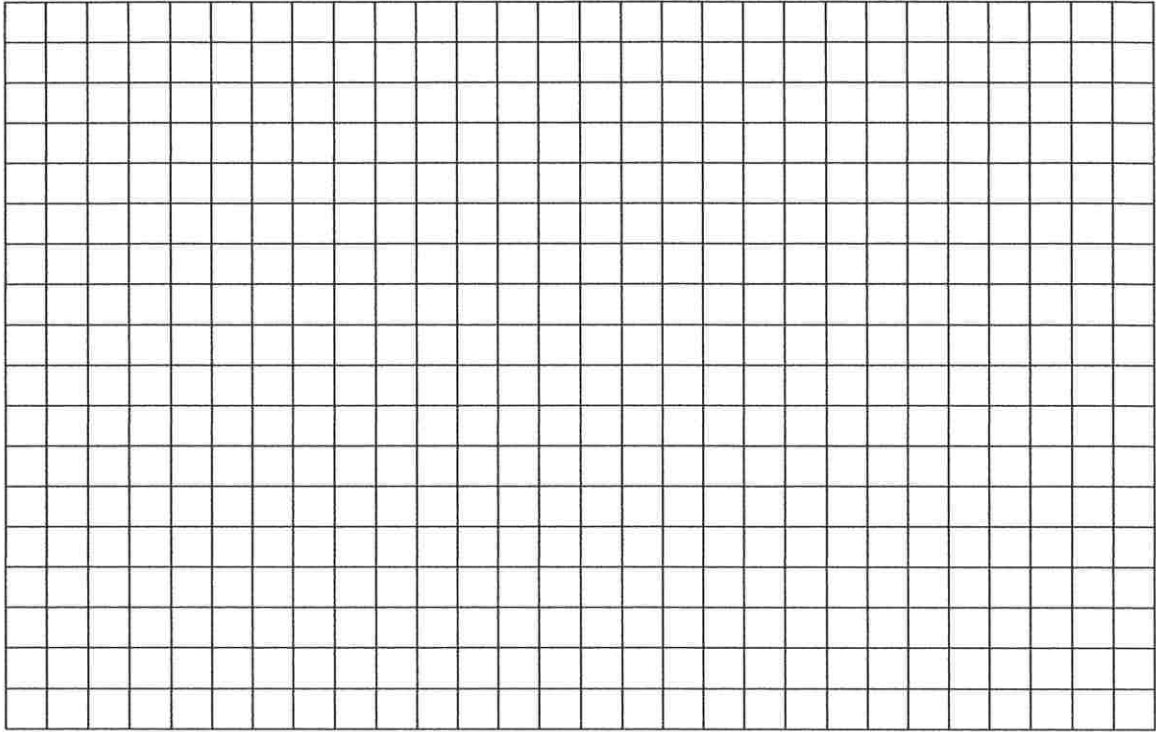
Example 2: Solve $y > -x^2 - 1$



∴ The solution is a region _____ the graph of _____

and it _____ the points on this graph.

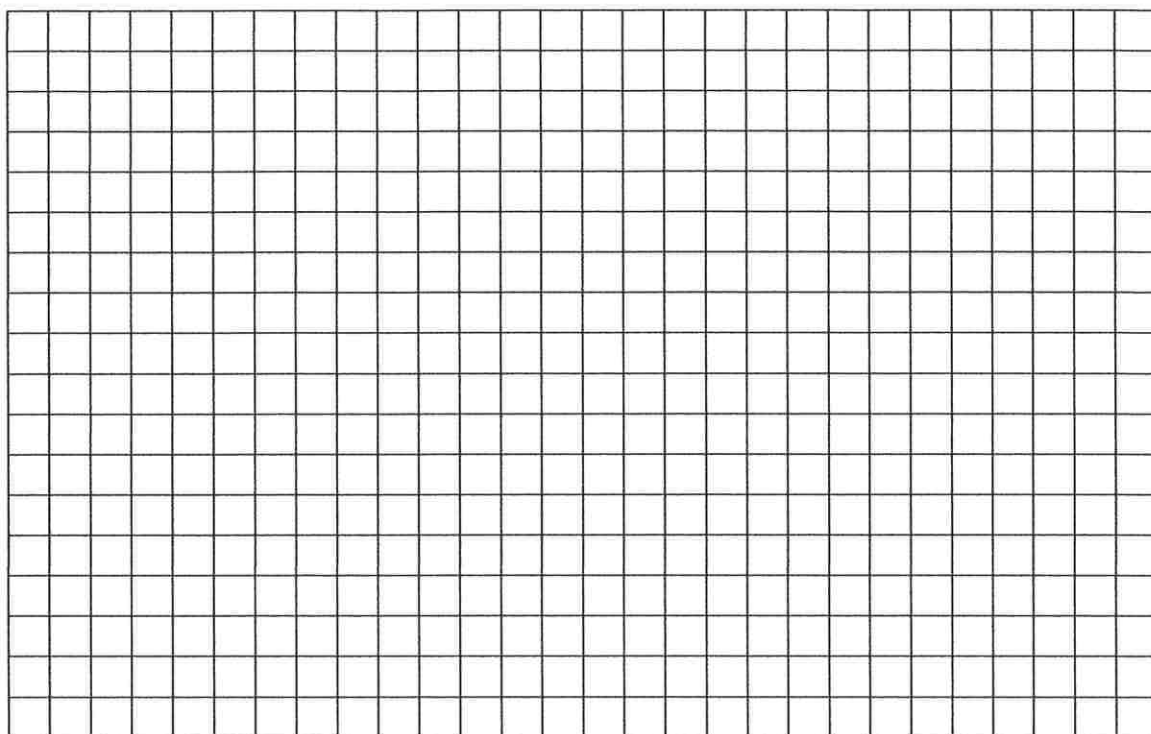
Example 3: Solve $y \geq -2x^2 + 5$



∴ The solution is a region _____ the graph of _____

and it _____ the points on this graph.

Example 4: Solve $y \neq 0.5(x - 3)^2 + 2$.



∴ The solution is a region _____ the graph of _____

and it _____ the points on this graph.