

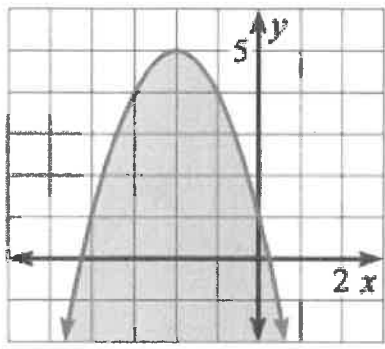
Name: Key

Date: _____

Graphing Inequalities and Systems of inequalities Review

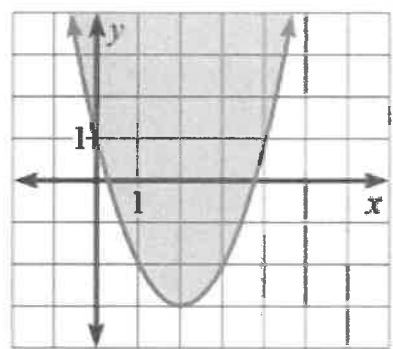
Match the inequality with its graph

1) C



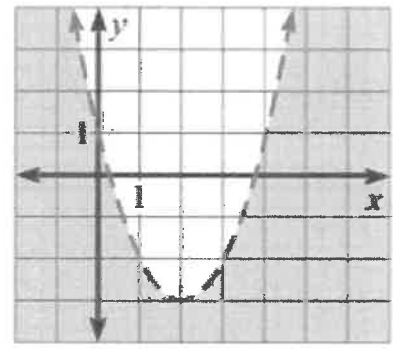
A) $y \geq x^2 - 4x + 1$

2) A



B) $y < x^2 - 4x + 1$

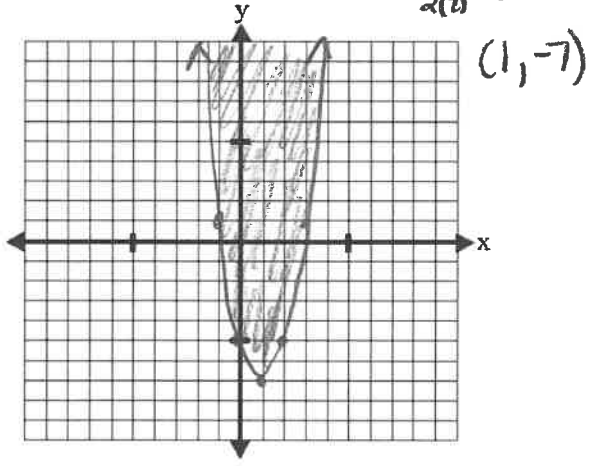
3) B



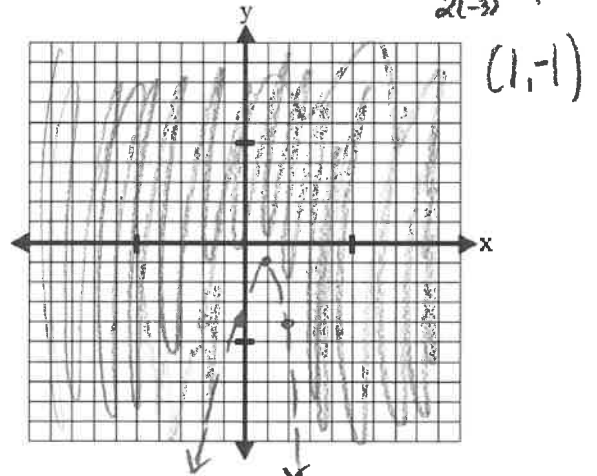
C) $y \leq -x^2 - 4x + 1$

Graphing each of the following inequalities or system of inequalities

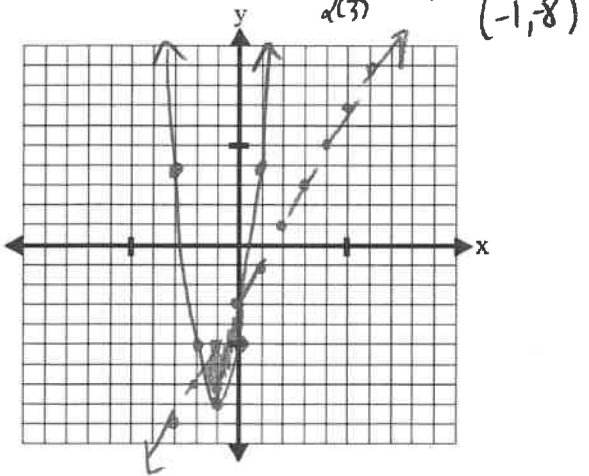
4) $y \geq 2x^2 - 4x - 5$ $x = \frac{4}{2(2)} = 1$



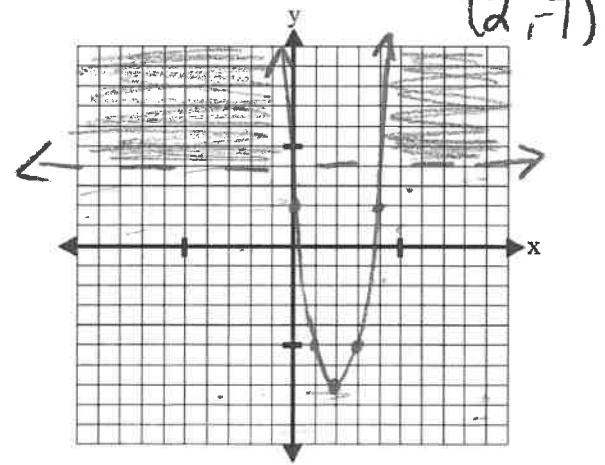
5) $y > -3x^2 + 6x - 4$ $x = \frac{-6}{2(-3)} = 1$



6) $y < 2x - 3$
 $y \geq 3x^2 + 6x - 5$ $x = \frac{-6}{2(3)} = -1$

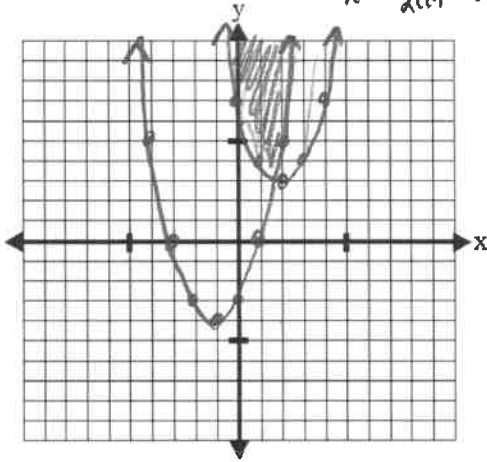


7) $y \leq 2x^2 - 8x + 1$ $x = \frac{8}{2(2)} = 2$
 $y > 4$



Graphing each of the following inequalities or system of inequalities

8) $y \geq x^2 + 2x - 3$ $x = \frac{-2}{2(1)} = -1$ $(-1, 4)$
 $y \geq x^2 - 4x + 7$ $x = \frac{4}{2(1)} = 2$ $(2, 3)$



9) $y \leq 2x^2 - 8x + 7$ $x = \frac{8}{2(2)} = 2$ $(2, -1)$
 $y > -x^2 + 6x - 4$ $x = \frac{-6}{2(-1)} = 3$ $(3, 5)$

