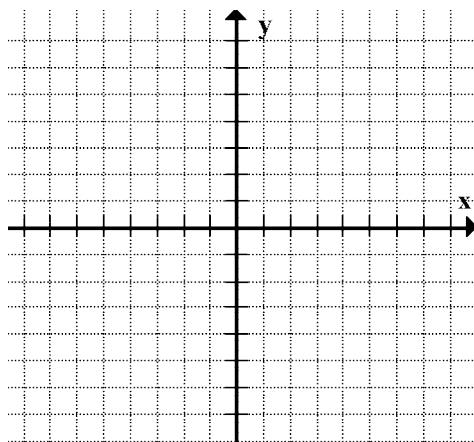


# C11 - 9.1 - Linear Inequalities In Two Variables WS

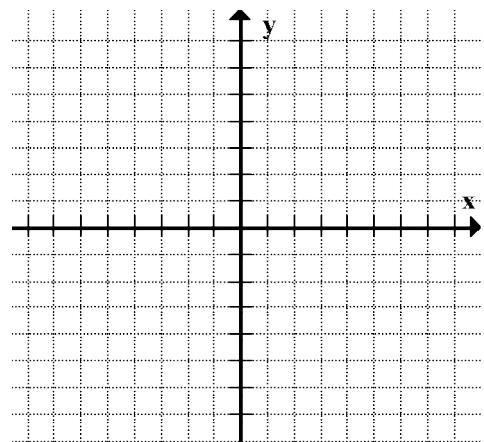
May 14, 2015 11:47 AM

Graph the following inequalities

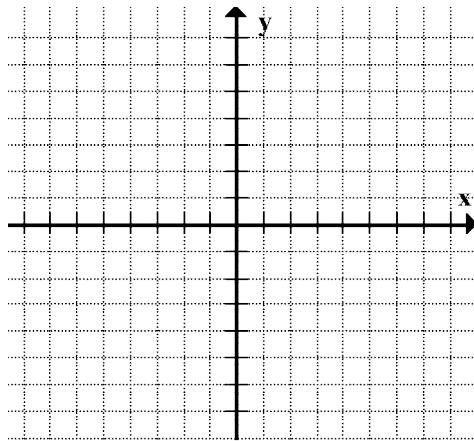
$$y \geq x - 1$$



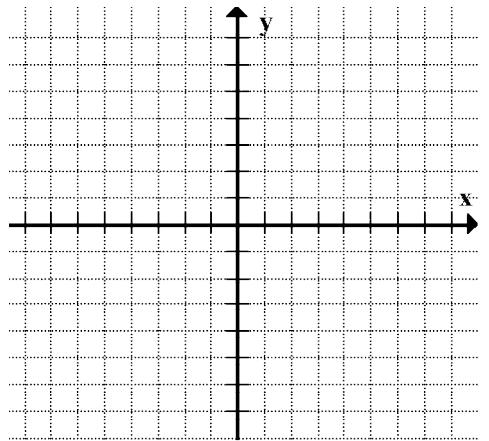
$$y > -x + 4$$



$$y < 2x - 4$$

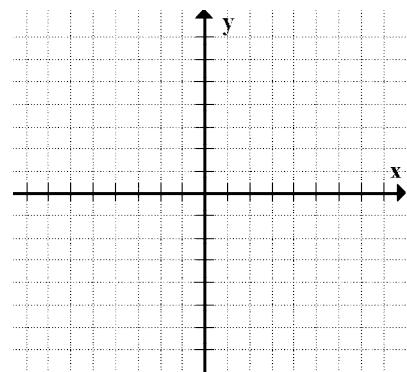
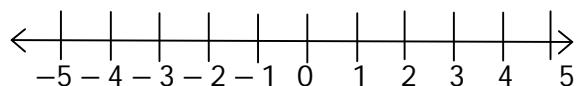


$$y \leq 3x - 2$$

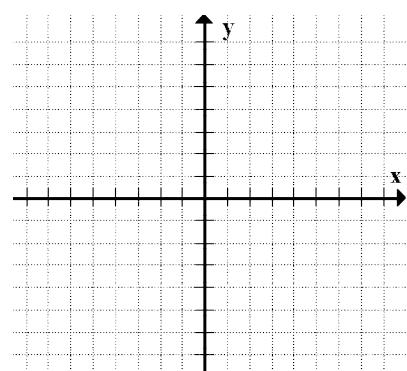
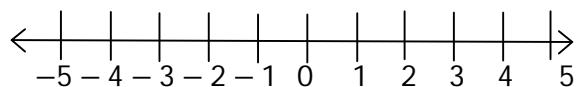


## C11 - 9.2 - Linear Inequalities In One Variables WS

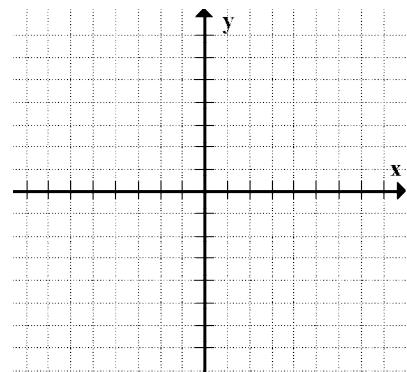
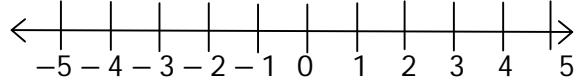
$$x + 4 < 0$$



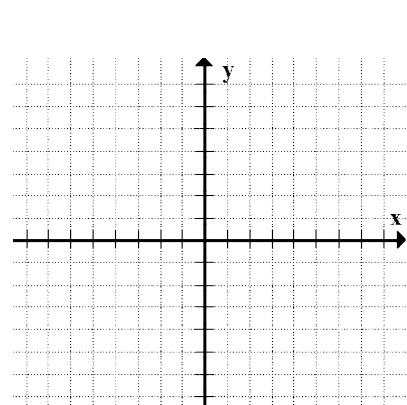
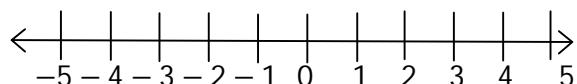
$$x - 3 \geq 0$$



$$2x - 1 > 0$$

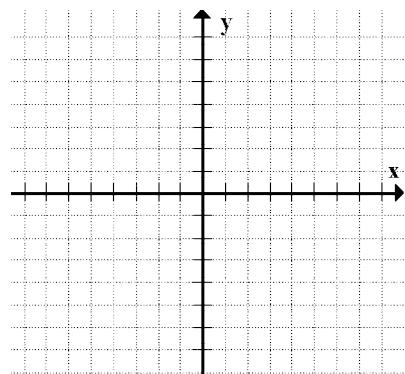
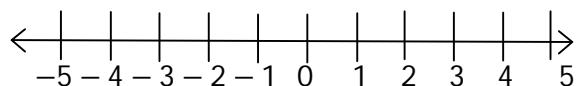


$$-x + 3 \leq 0$$

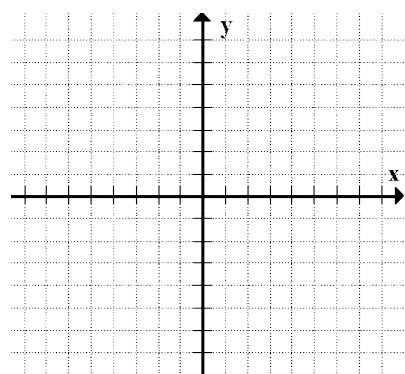
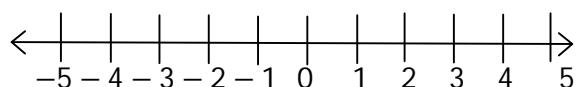


## C11 - 9.2 - Quadratic inequalities In One Variables WS

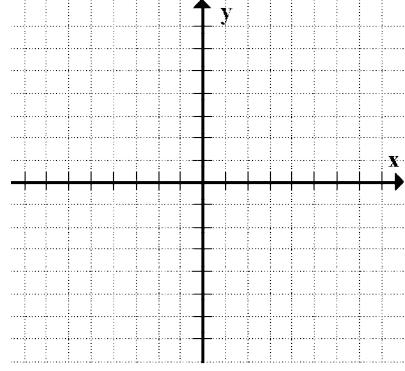
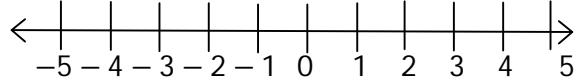
$$x^2 - 4 < 0$$



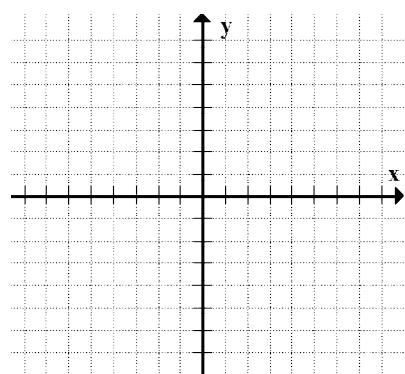
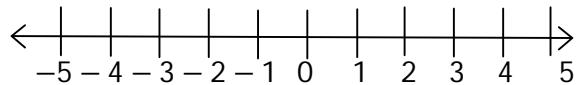
$$x^2 - 4x + 3 \geq 0$$



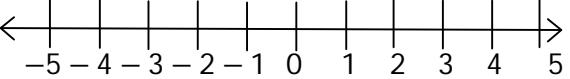
$$x^2 - 4 > 0$$

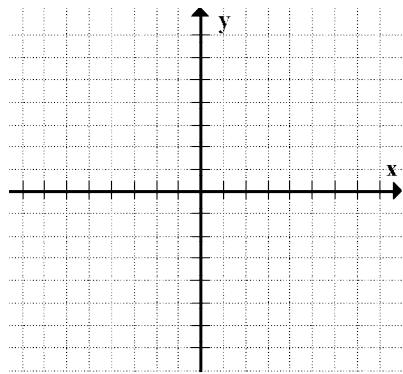


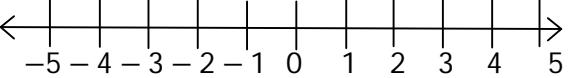
$$x^2 - 4x + 3 \leq 0$$

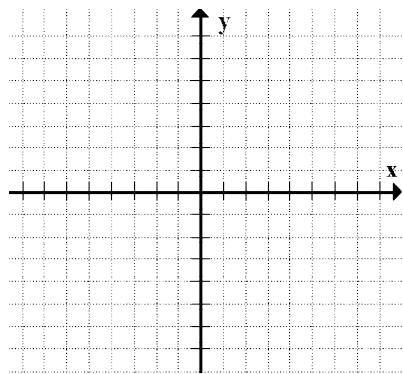


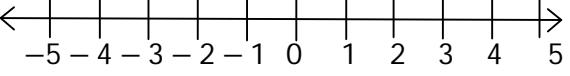
## C11 - 9.2 - Quadratic Inequalities In One Variables WS

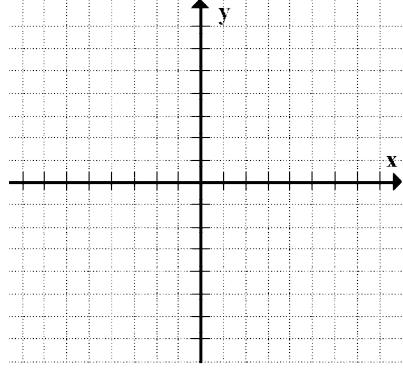
$$x^2 + x - 6 < 0$$


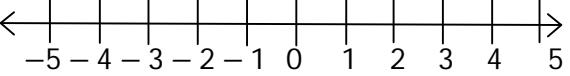


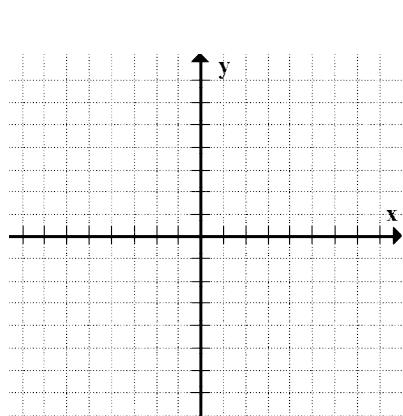
$$(x + 3)(x - 6) \geq 0$$




$$2x^2 + 5x - 3 > 0$$


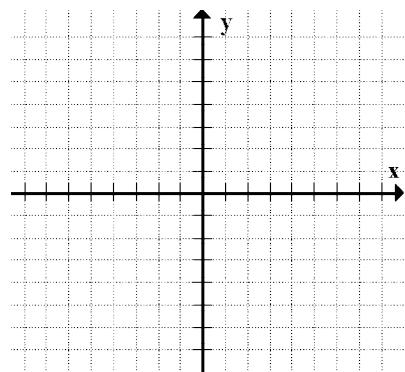
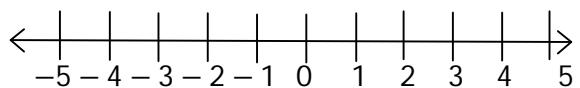


$$(3x + 2)(x - 6) \leq 0$$


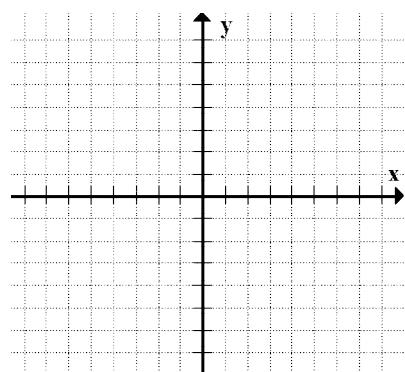
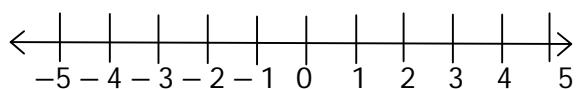


## C11 - 9.2 - Quadratic Inequalities In One Variables WS

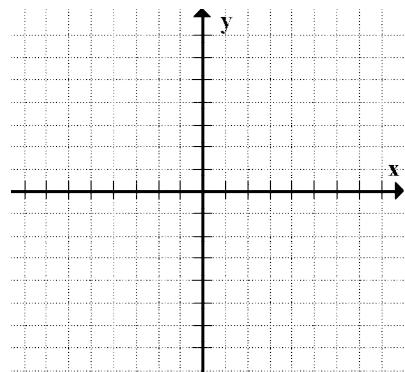
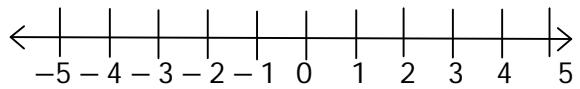
$$(x - 2)^2 < 0$$



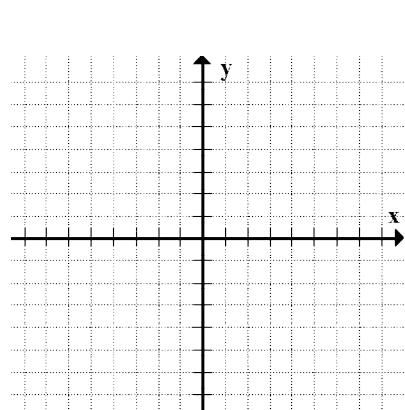
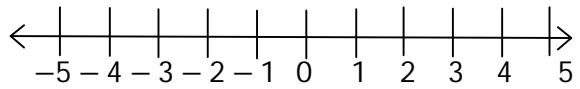
$$(x - 2)^2 \geq 0$$



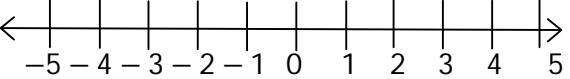
$$(x - 2)^2 > 0$$

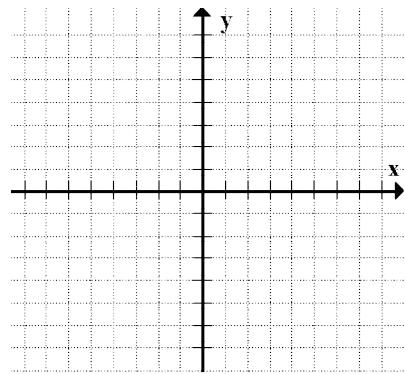


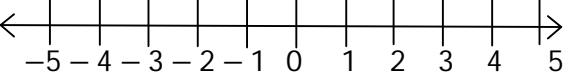
$$(x - 2)^2 \leq 0$$

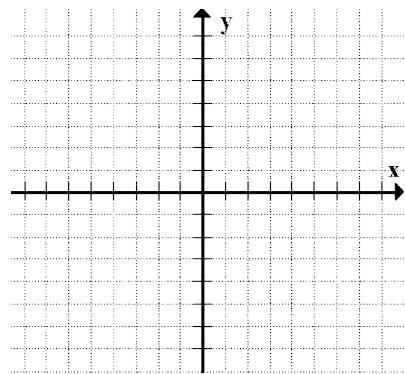


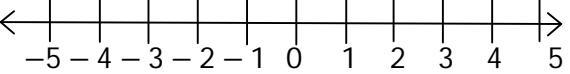
## C11 - 9.2 - Quadratic Inequalities In One Variables WS

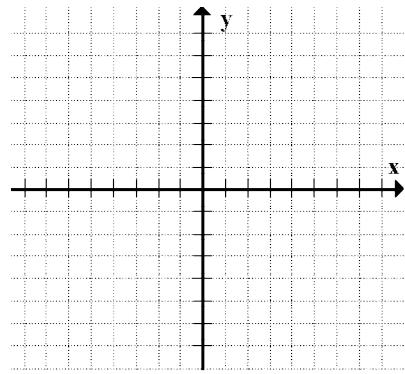
$$(x - 2)^2 + 1 < 0$$


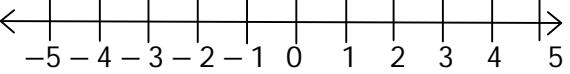


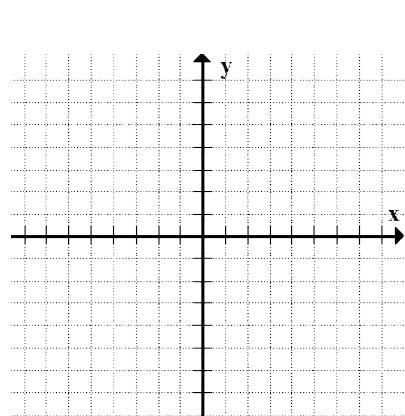
$$(x - 2)^2 + 1 \geq 0$$




$$(x - 2)^2 + 1 > 0$$




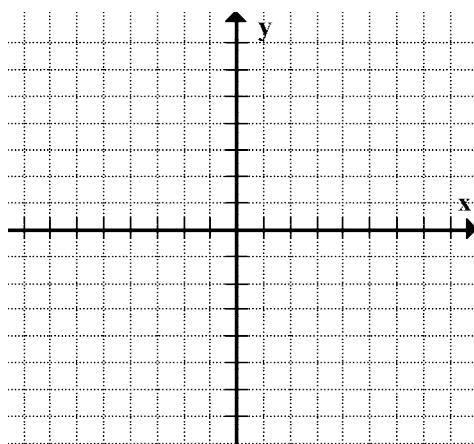
$$(x - 2)^2 + 1 \leq 0$$




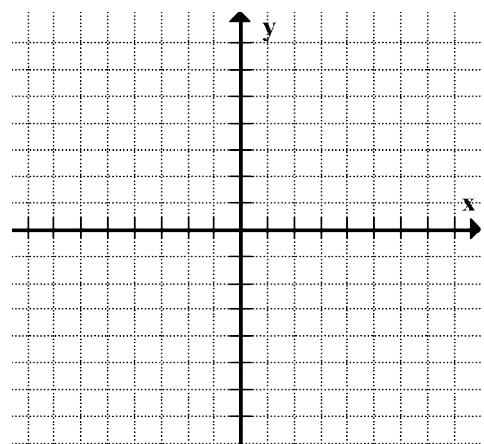
## C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

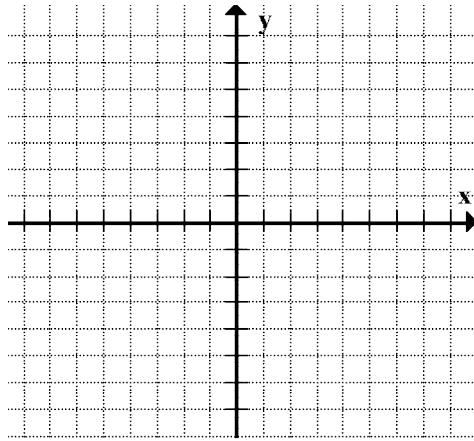
$$y \geq x^2 - 1$$



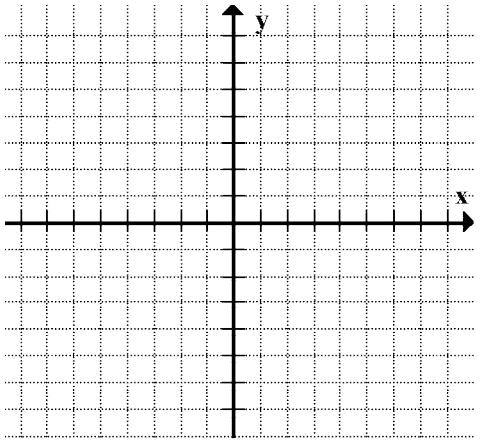
$$y \leq x^2 - 4$$



$$y > -x^2 + 4$$



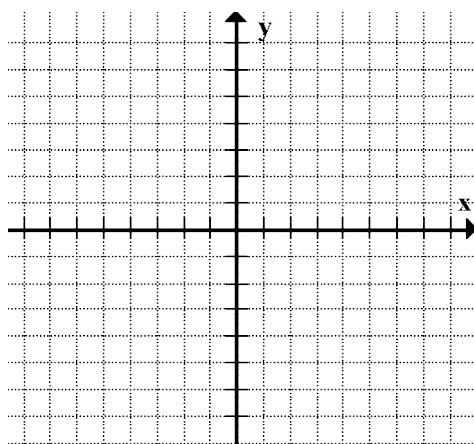
$$y < 2x^2 - 8$$



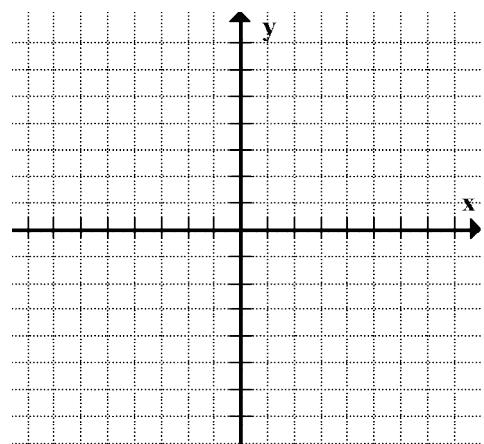
## C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

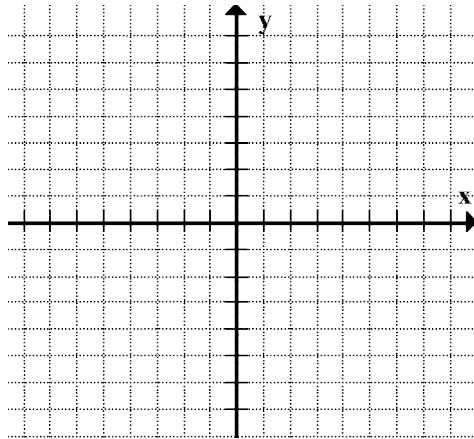
$$y \geq x^2 - 4$$



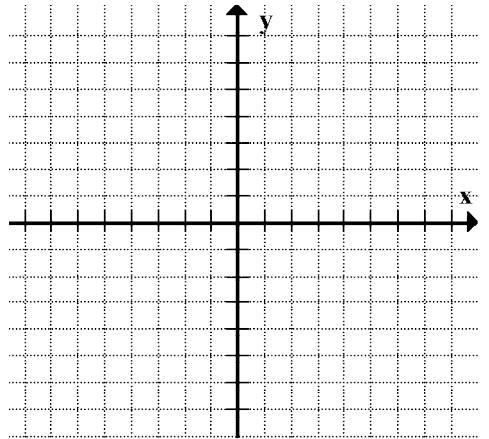
$$y \leq x^2 - 4$$



$$y > x^2 - 4$$



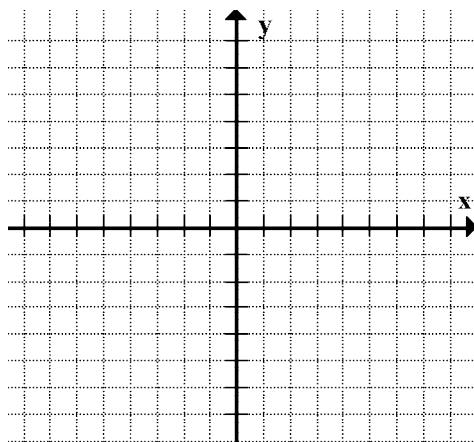
$$y < x^2 - 4$$



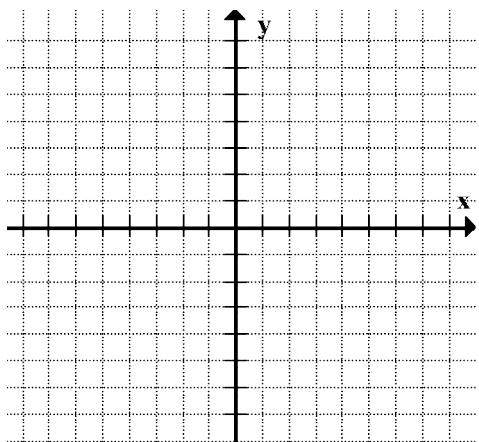
## C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

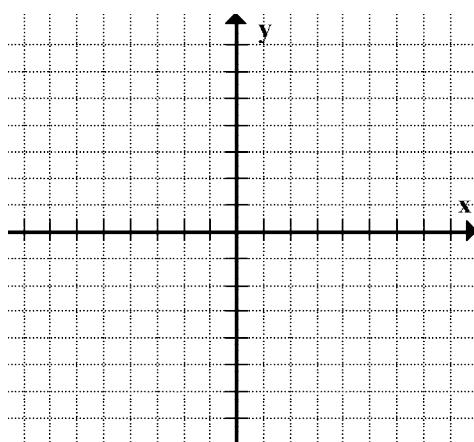
$$y \geq (x + 2)^2$$



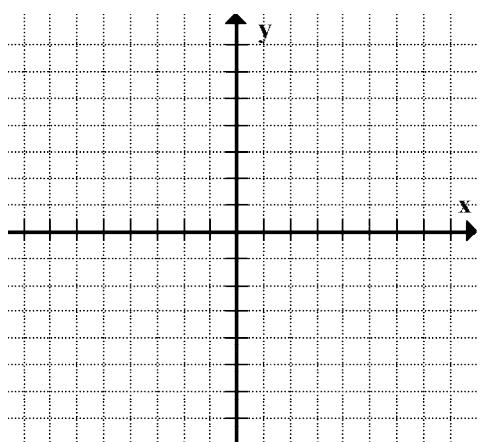
$$y \leq (x + 2)^2$$



$$y > (x + 2)^2$$



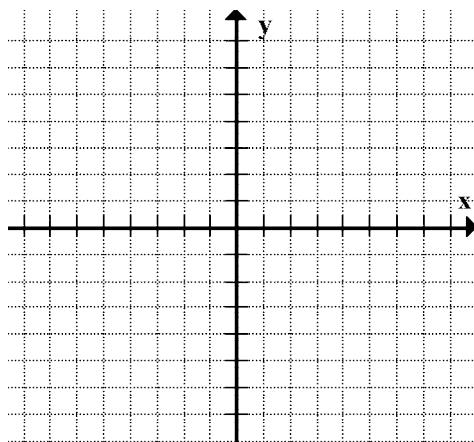
$$y < (x + 2)^2$$



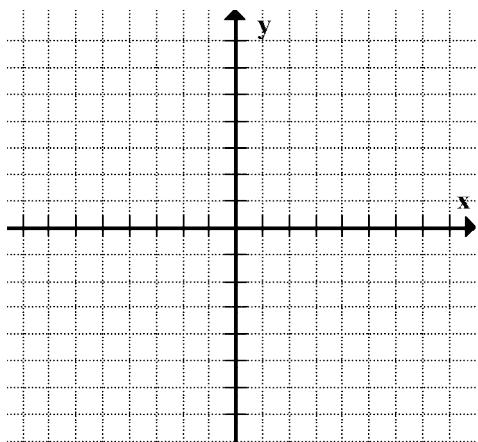
## C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

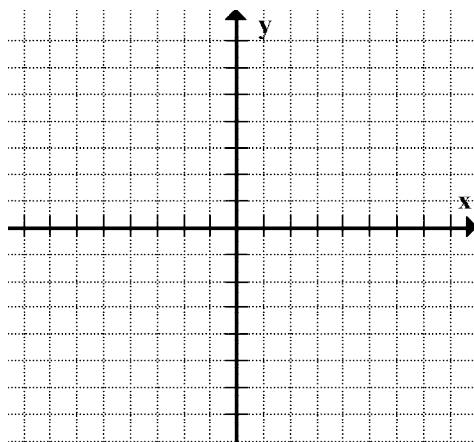
$$y \geq (x - 1)^2 - 4$$



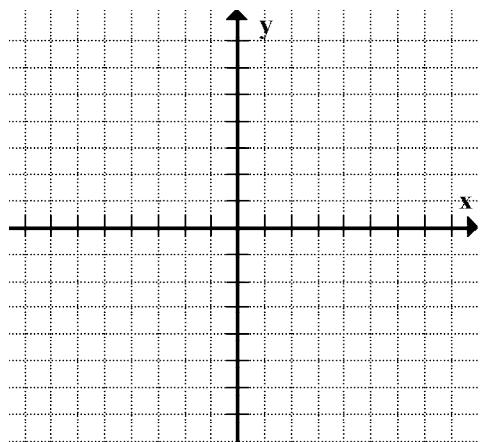
$$y \leq (x - 1)^2 - 4$$



$$y > (x - 1)^2 - 4$$



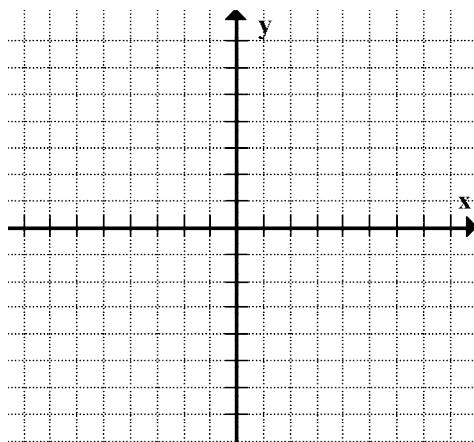
$$y < (x - 1)^2 - 4$$



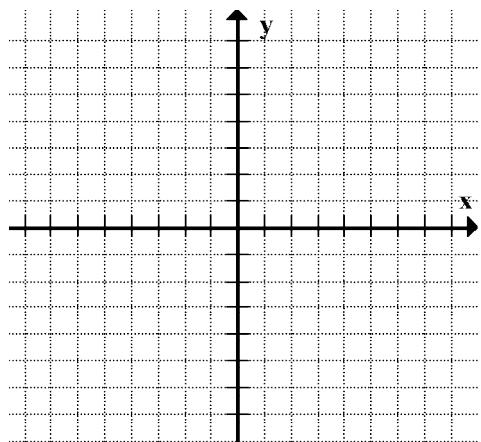
## C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

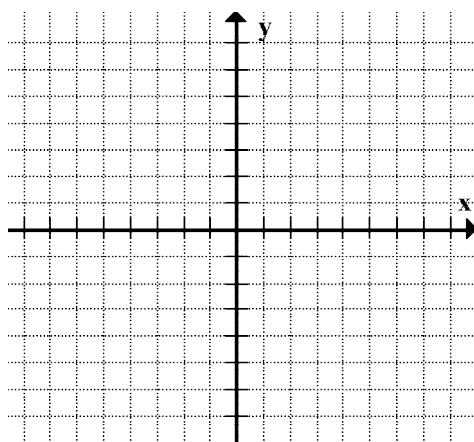
$$y \geq x^2 + 1$$



$$y \leq x^2 + 1$$



$$y > x^2 + 1$$



$$y < x^2 + 1$$

