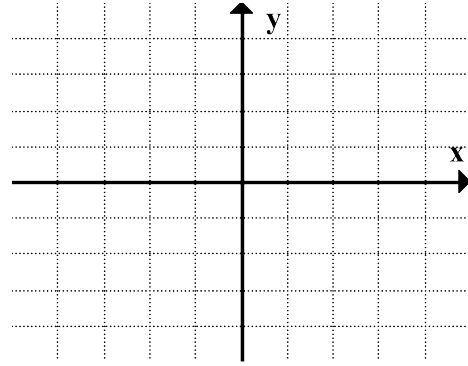


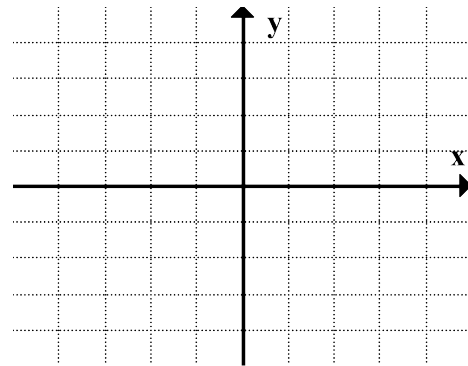
C11 - 9.1 - Linear Inequalities In Two Variables WS

Graph the following inequalities

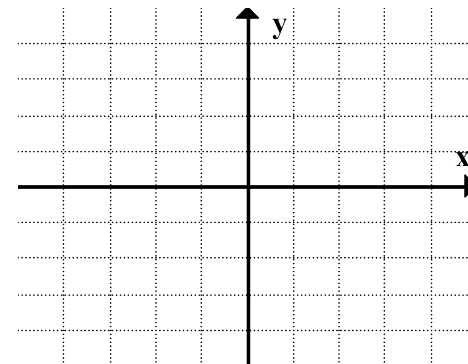
$$y \geq x - 1$$



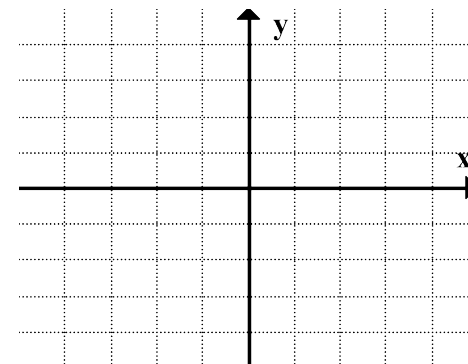
$$y < x$$



$$y > -x + 4$$



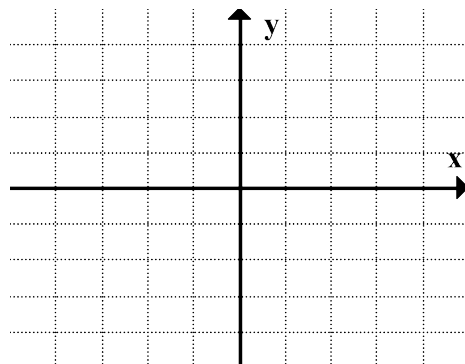
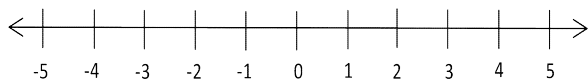
$$y \leq 3x - 2$$



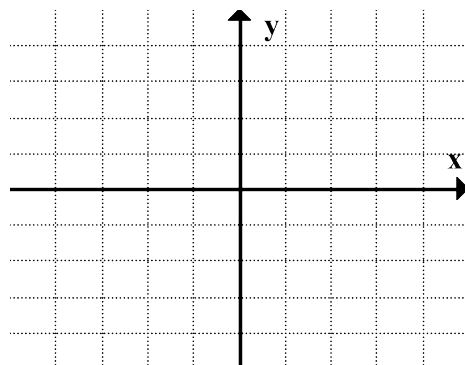
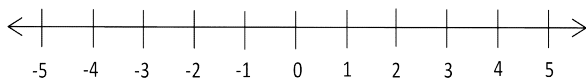
C11 - 9.2 - Linear Inequalities In One Variables WS

Graph the following inequalities

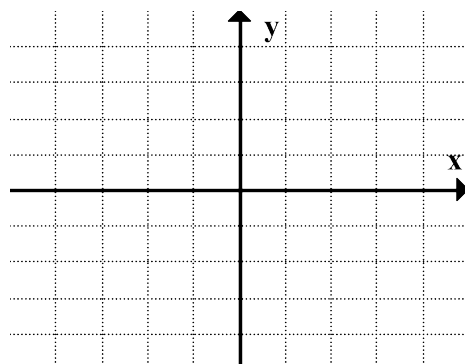
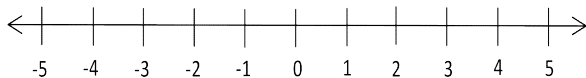
$$x + 4 < 0$$



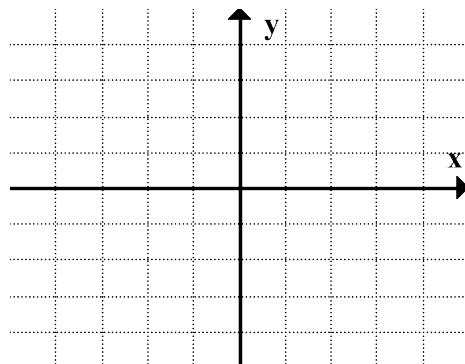
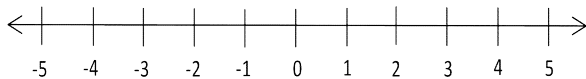
$$-x - 3 \geq 0$$



$$x \leq 0$$



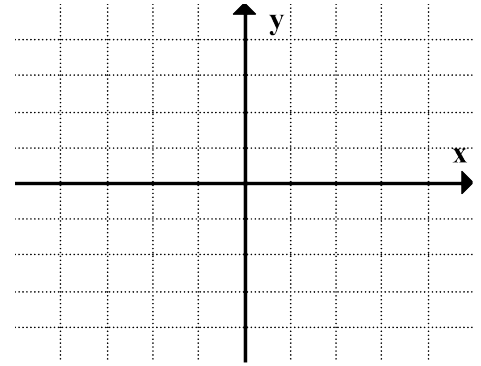
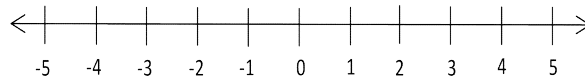
$$2x - 1 > 0$$



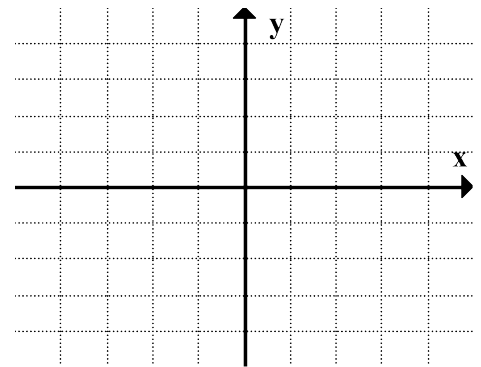
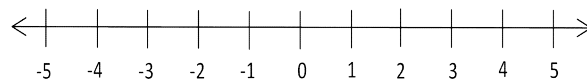
C11 - 9.2 - Quadratic inequalities In One Variables WS

Graph the following inequalities

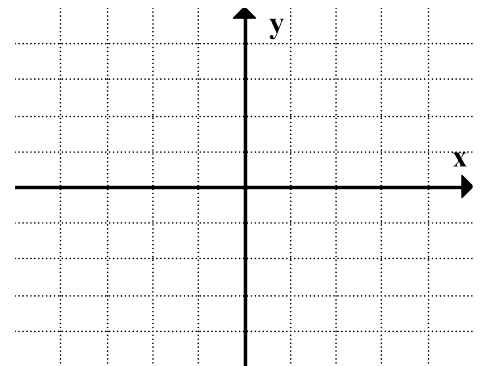
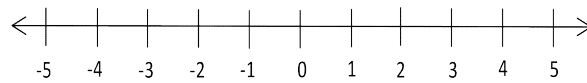
$$x^2 - 4 > 0$$



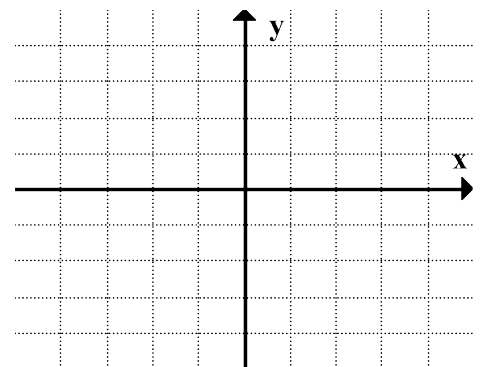
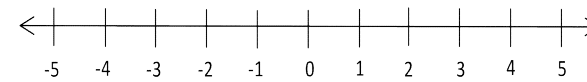
$$x^2 - 4 < 0$$



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



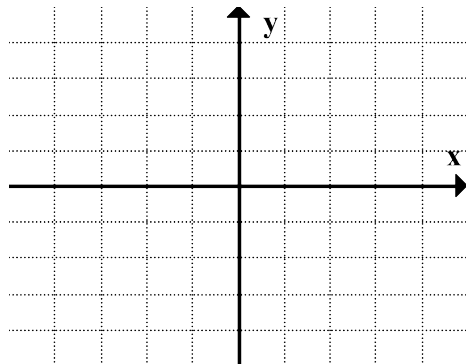
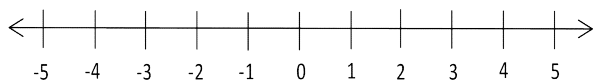
$$x^2 - 4x + 3 \leq 0$$



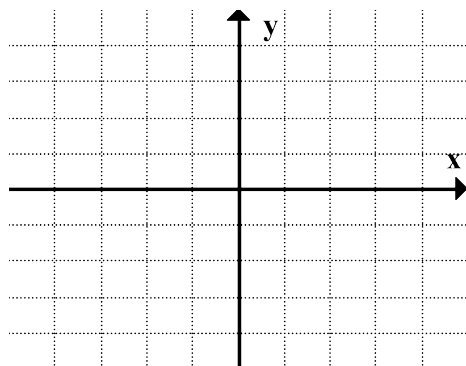
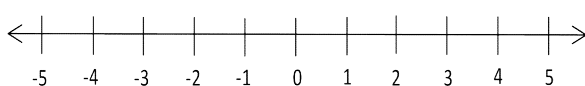
C11 - 9.2 - Quadratic Inequalities In One Variables WS

Graph the following inequalities

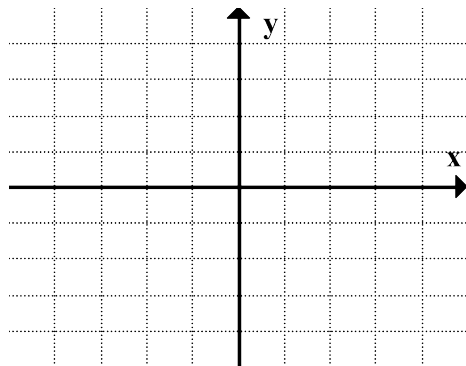
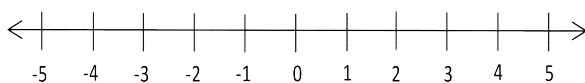
$$x^2 + x - 6 < 0$$



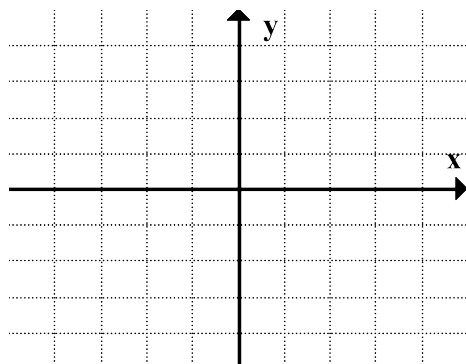
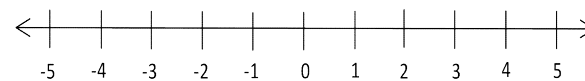
$$(x + 3)(x - 1) \geq 0$$



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



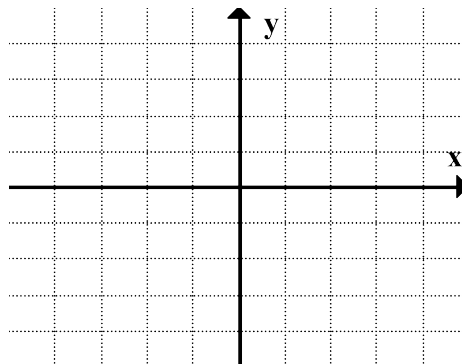
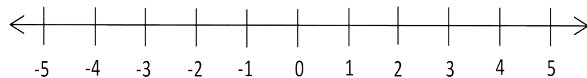
$$(2x + 1)(x - 3) \leq 0$$



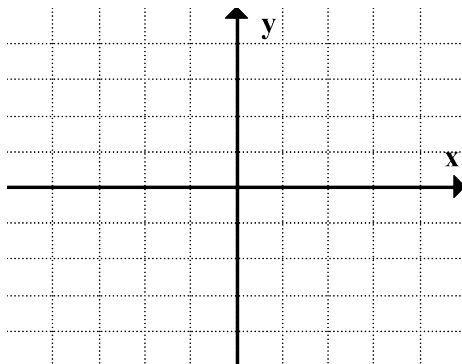
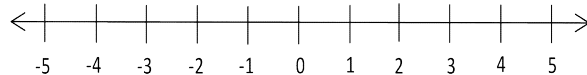
C11 - 9.2 - Quadratic Inequalities In One Variables WS

Graph the following inequalities

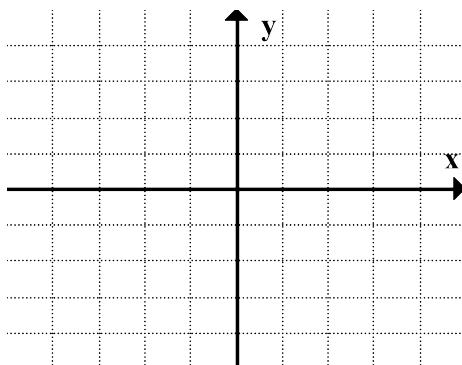
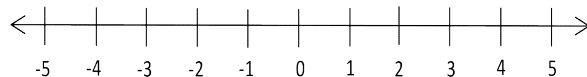
$$(x - 2)^2 < 0$$



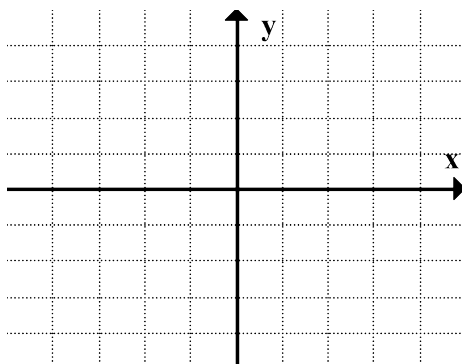
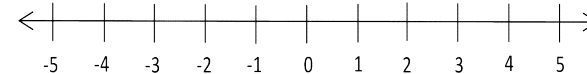
$$(x - 2)^2 \geq 0$$



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

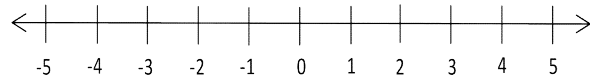


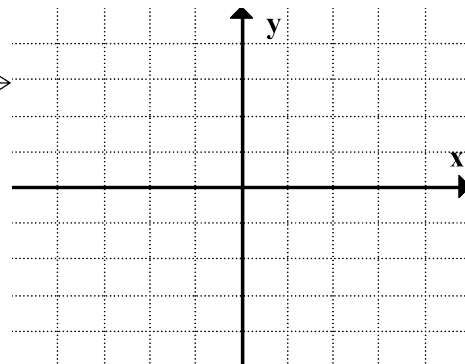
$$(x - 2)^2 \leq 0$$



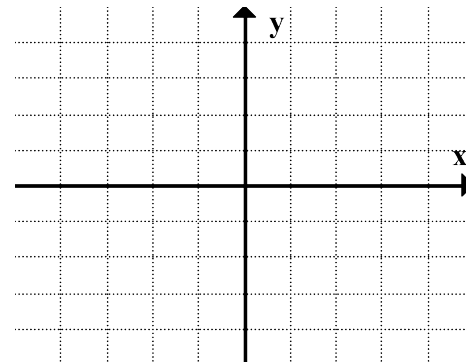
C11 - 9.2 - Quadratic Inequalities In One Variables WS

Graph the following inequalities

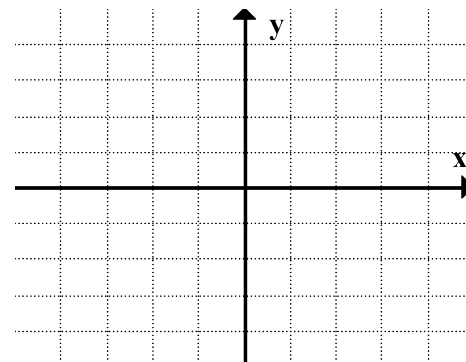
$$(x - 2)^2 + 1 < 0$$
A number line from -5 to 5 with tick marks at every integer. The number 2 is marked with a vertical line.

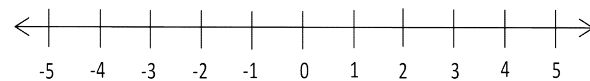


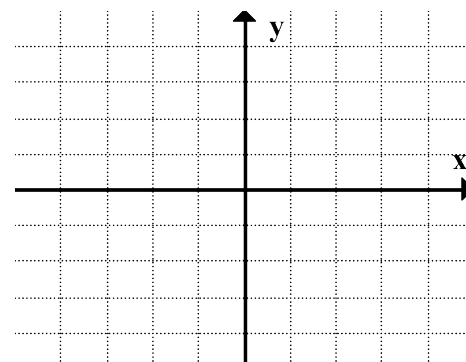
$$(x - 2)^2 + 1 \geq 0$$
A number line from -5 to 5 with tick marks at every integer. The number 2 is marked with a vertical line.



$$(x - 2)^2 + 1 > 0$$
A number line from -5 to 5 with tick marks at every integer. The number 2 is marked with a vertical line.



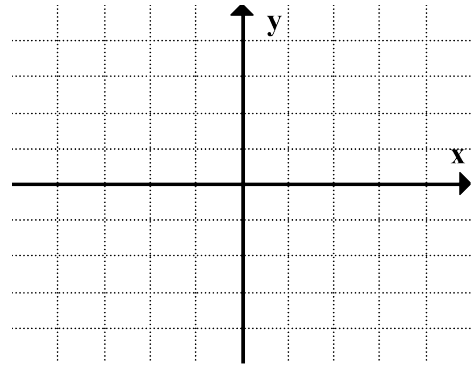
$$(x - 2)^2 + 1 \leq 0$$
A number line from -5 to 5 with tick marks at every integer. The number 2 is marked with a vertical line.



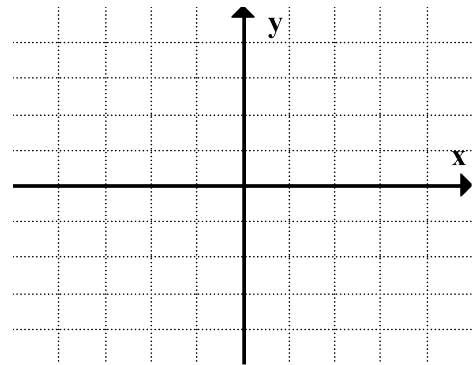
C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

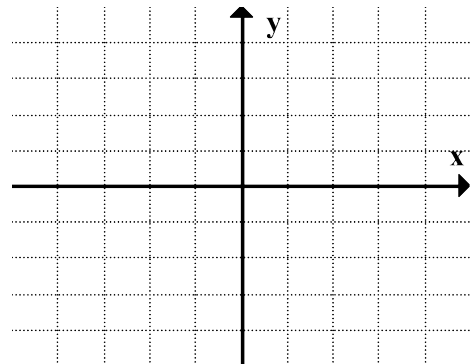
$$y \geq (x - 1)^2 - 4$$



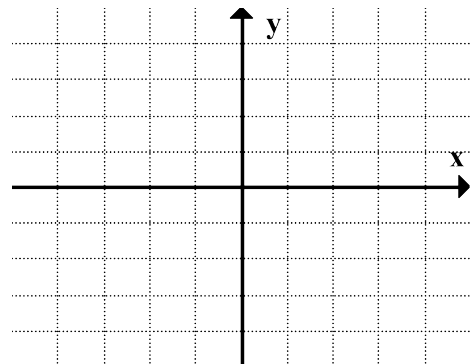
$$y > x^2 + 4$$



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



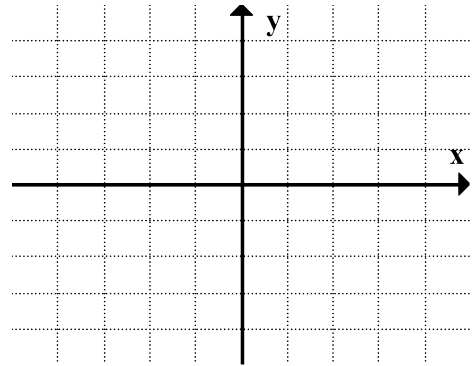
$$y < (x - 1)^2 - 1$$



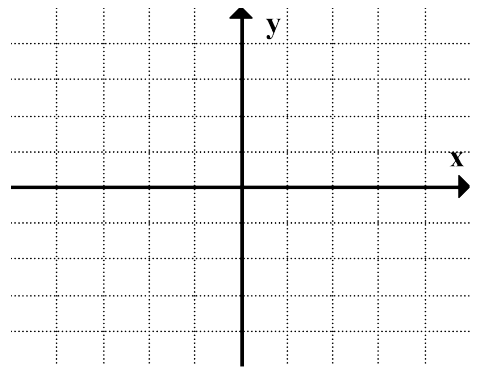
C11 - 9.3 - Quadratic Inequalities In Two Variables WS

Graph the following inequalities

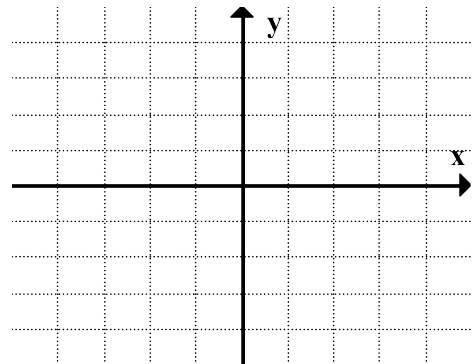
$$y \geq x^2 - 1$$



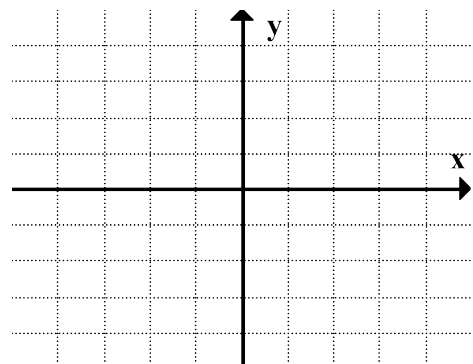
$$y \leq x^2 + x - 2$$



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



$$y < 2x^2 - x - 1$$



C11 - 9.4 - Word Problems

Find the range of dimensions of a rectangle with an area less than 15 m^2 that has a length two meters more than its width.

Find the range of dimensions of a rectangle with an area of at least 6 m^2 that has a length one meter longer than twice its width.