6.7 Graphing & Solving Quadratic Inequalities

Objective: Graph quadratic inequalities in 2 variables.

Solve quadratic inequalities in 1 variable.

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Step one: Graph the related quadratic equation, $y = ax^2 + bx + c$.

Decide if the parabola should be solid or dashed.

Step two: Test a point (x,y) inside the parabola. Check to see if this

point is a solution of the inequality.

Step three: If (x,y) is a solution, shade the region inside the

parabola. If (x,y) is not a solution, shade the region outside

the parabola.









