

# MATH 2A/5A Prep: Quadratic Functions

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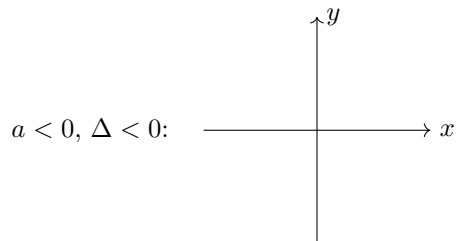
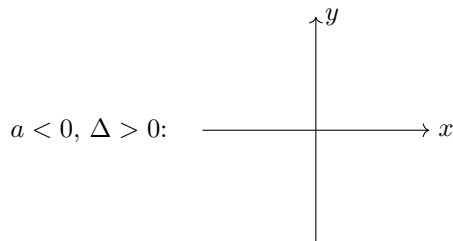
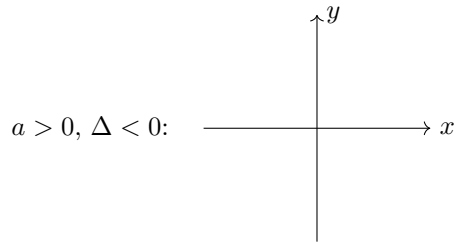
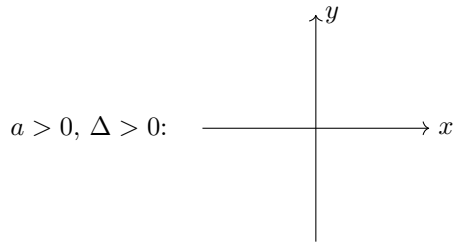
## Facts to Know:

1. Solving quadratic equations:

- Solutions to  $ax^2 + bx + c = 0$  are:

- The cross-multiplication method:

2. Graph of the parabola  $y = ax^2 + bx + c$ :



## Examples:

1. Find the intersection of the parabola  $y = x^2 + 3x + 1$  with the line  $y = x + 2$ .

2. Solve the equation  $x^2 + x - 6 = 0$ .