

# quadratics vocabulary

- [Quadratics Vocabulary](#)

# Quadratics Vocabulary

- Vertex
  - The vertex is the highest or lowest point on the curve.
  - The vertex is the point  $(x, y)$  where  $x = -(b/2a)$ .
  - Naru calls it the apex.
  - We then use this x-value in the equation to find the y-value of the vertex.
- Vertex Formula:
  - The graph of  $y = ax^2 + bx + c$  has the line  $x = -(b/2a)$  as its axis of symmetry.
  - The x-coordinate of the vertex is  $x = -(b/2a)$
  - You can find the y by plugging the x-coordinate into your equation.
- axis of symmetry
  - the vertical line that splits the parabola down the middle.
  - The axis of symmetry uses the same formula as the vertex formula to find the x-coordinate:  $x = -(b/2a)$
- Up/ Down Test