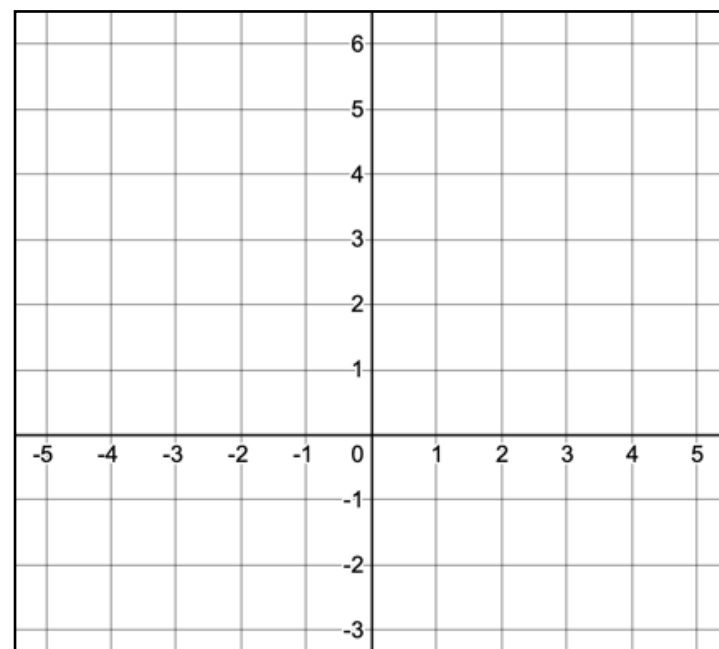


Steps:

1. Up or Down?
  - If  $a$  is Positive - UP
  - If  $a$  is Negative - DOWN
2. Find the vertex.
  - X-value is the **opposite** of  $h$
  - Y-value is  $k$
3. Draw the line of symmetry.
  - $x = x$  value of the vertex
4. Find the y-intercept.
  - Plug 0 in for  $x$ .
5. Use strategic points.
  - Nice  $x$  values on both sides of the line of symmetry

$$f(x) = (x - 2)^2$$



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$$f(x) = x^2 - 2$$

