



Find the vertex of $y = x^2 - 2x + 3$

1. Complete the square

$$x^2 - 2x + 3$$
$$(x - 1)^2 - 1 + 3$$
$$(x - 1)^2 + 2$$

2. The x coordinate makes the bracket equal zero

3. The constant term is the y coordinate **Vertex at $(1, 2)$**