

Example 1

- Convert the quadratic relation from vertex form to standard form

- $y = (x - 4)^2 - 1$

$$y = (x - 4)^2 - 1$$

$$y = (x^2 - 8x + 16) - 1$$

$$y = x^2 - 8x + 16$$

$$(a - b)^2$$

$$a^2 - 2ab + b^2$$

$$a = x$$

$$b = 4$$

$$(x)^2 - 2(x)(4) + (4)^2$$

$$x^2 - 8x + 16$$