

VERTEX FORM OF
A QUADRATIC
(EXAMPLE 2)

If the vertex of a parabola is (9, -12), then which of the following equations correctly includes the vertex?

- A) $y - 12 = (x - 9)^2$
- B) $y = (x - 9)^2 - 12$
- C) $y = (x + 9)^2 + 12$
- D) $y + 12 = (x + 9)^2$

★ $y - k = (x - h)^2$

★ $y = (x - h)^2 + k$

★ Be careful w/ signs -

$y - -12 = (x - 9)^2$