

CONVERTING STANDARD FORM TO VERTEX FORM

COMPLETING THE SQUARE

Now when you define the value of a, b and c, you will now change the values of a, b and c in the vertex form.

$$: y = a(x-h)^2 + k$$

$$\begin{array}{cc} \downarrow & \downarrow \\ -2 & x \end{array}$$

There are no b and c value in the vertex form, but there's a h and k value. There's a formula for h and k.

$$h = \frac{-b}{2a}$$