

$$f(x) = a\left(x + \underline{\frac{b}{2a}}\right)^2 + \underline{\left(c - \frac{b^2}{4a}\right)}$$

Vertex Form

$$f(x) = \underline{a}(x - \underline{h})^2 + \underline{k}$$

So

$$a = a$$

$$k = c - \frac{b^2}{4a}$$

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