Standard to Vertex Form
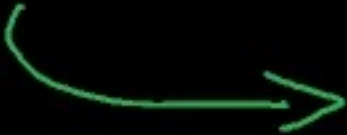
$$Y = ax^2 + bx + c \qquad V(h, k)$$

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

$$Y = 2x^2 - 6x - 7 \qquad\qquad h = \frac{-b}{2a}$$

$$Y = 2(x + 2)^2 - 13$$