

C11 - 3.5 - Vertex: $(-\frac{b}{2a}, y)$ Quadratics in Standard Form WS

Find the Vertex

$$\text{Vertex} = \left(\frac{-b}{2a}, y\right)$$

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$$y = x^2 - 6x - 7$$

$$y = x^2 + 4x - 5$$

$$y = x^2 + 8x + 7$$

$$y = x^2 + 6x - 16$$

$$y = x^2 - 2x - 15$$

$$y = x^2 - 10x + 9$$

$$y = 2x^2 - 12x - 14$$

$$y = 4x^2 + 6x - 3$$

$$y = 4x^2 + 2x - 1$$

$$y = x^2 + \frac{1}{2}x + 5$$

$$y = 2x^2 - \frac{1}{2}x + 9$$

$$y = -2x^2 - .05x$$