

A quadratic equation in Standard Form can be written in Factored Form by writing the expression as a list of factors.



Turn in Homework --

Blue worksheet (Graphing Quad Functions)





Axis of symmetry n + a

Vertex

$$\mathbf{x} = \frac{p+q}{2}$$

Plug the x-value into equation

This form is helpful for determining the x-intercepts.





3.) A ball being thrown can be modeled using the following equation, where x represents the time (seconds) and y represents the height (feet).





Closing Question



Find the **x-intercepts** of the following quadratic equation:

y = 2(x + 5)(x - 8)

Homework Assignment Graphing Quadratics - Factored Form