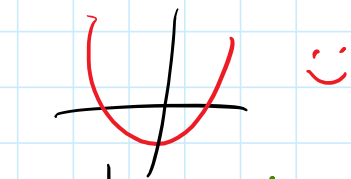



parabola
vertex: $V(x, y) = V\left(-\frac{b}{2a}, \frac{-\Delta}{4a}\right)$

What is the parabola's vertex form?

$y = a(x - p)^2 + h$ \rightarrow $p = x_v$
 $h = y_v$
 $a \neq 0$ vertex = (p, h)

Plotting

- critical points: x-int (roots), y-int, vertex
- axis of symmetry
- direction of arms: $a > 0$ 
 $a < 0$ 
- state range & domain
- label yr axes & the foo curve.