1. Calculate the (x, y) pairs and connect them to plot the parabola.







4. Calculate f(x) and connect them to freehand the parabola.

$$f(x) = 2x^2$$















11. a) Find the vertex at $\frac{-b}{2a}$ and then calculate f(x) to plot.



b) Factor and set f(x) = 0 to find the zeros (x-intercepts).

c) Find the zeros using the quadratic equation $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

d) Use an online quadratic calculator to find the zeros.

12. Find the vertex at $\frac{-b}{2a}$ and zeros to plot the parabola.

