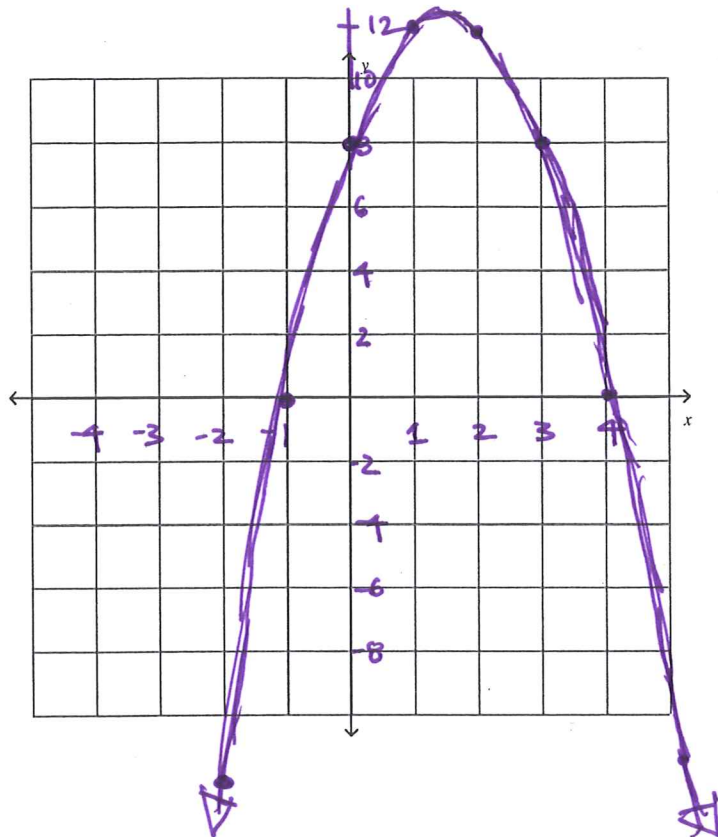


Algebra I: Unit 06 review: Sketch a graph of a parabola

On the grid, sketch an accurate graph of the parabola given below.

Show your work!

$$f(x) = -2x^2 + 6x + 8$$



MAKE A TABLE!

$$f(-2) = -2(-2)^2 + 6(-2) + 8$$

$$= -2(4) + -12 + 8$$

$$= -8 - 12 + 8$$

$$= -12$$

$$f(-1) = -2(-1)^2 + 6(-1) + 8$$

$$= -2 - 6 + 8$$

$$= 0$$

x	$f(x)$
-2	-12
-1	0
0	8
1	12
2	12
3	8