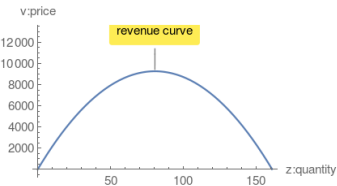


2.

2. (A) Basis for the Revenue model is a simple multiplication:

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{10}{7}z + 230\right) \times z = 230z - \frac{10z^2}{7}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 Yen revenue up to z-intercept coordinate equal to twice the value of vertex of the Parabola:

161

(D) The maximum occurs at the vertex z-intercept coordinate:

$\frac{161}{2}$

2

or the amount 9257.5 Yen .