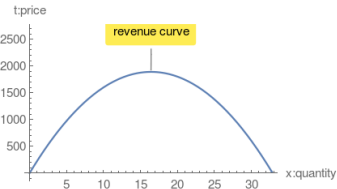


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = (-7x + 230) \times x = 230x - 7x^2$$

Notice the latter is a quadratic:



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

$$\frac{230}{7}$$

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

$$\frac{115}{7}$$

or the amount 1889.28 Yen .