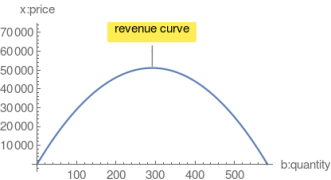


4.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{3}{5}b + 350\right) \times b = 350b - \frac{3b^2}{5}$$

Notice the latter is a quadratic:



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

$$\frac{1750}{3}$$

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

$$\frac{875}{3}$$

or the amount 51041.7 Euros .