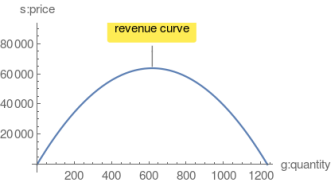


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{6}g + 206\right) \times g = 206g - \frac{g^2}{6}$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to g-intercept coordinate equal to twice the value of vertex of the Parabola:
1236

(4) The maximum occurs at the vertex g-intercept coordinate:
618

or the amount 63654. Euros .