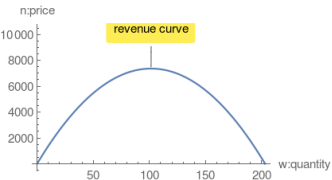


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{5}{7}w + 145\right) \times w = 145w - \frac{5w^2}{7}$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to w-intercept coordinate equal to twice the value of vertex of the Parabola:
203

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

$$\frac{203}{2}$$

or the amount 7358.75 Euros .