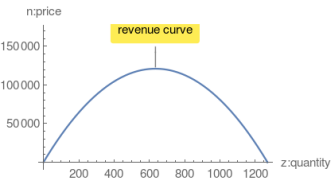


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{3}{10}z + 381\right) \times z = 381z - \frac{3z^2}{10}$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to z-intercept coordinate equal to twice the value of vertex of the Parabola:  
1270

(4) The maximum occurs at the vertex z-intercept coordinate:  
635

or the amount 120968. Euros .