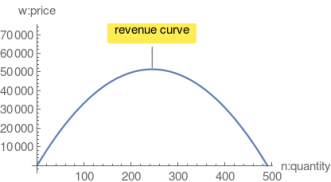


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{6}{7}n + 420\right) \times n = 420n - \frac{6n^2}{7}$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to n-intercept coordinate equal to twice the value of vertex of the Parabola:  
490

(4) The maximum occurs at the vertex n-intercept coordinate:  
245

or the amount 51450. Euros .