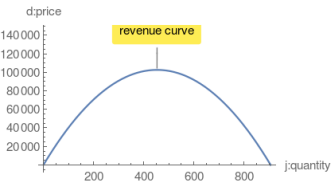


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{2}j + 453\right) \times j = 453j - \frac{j^2}{2}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 Euros revenue up to  $j$ -intercept coordinate equal to twice the value of vertex of the Parabola:  
906

(D) The maximum occurs at the vertex  $j$ -intercept coordinate:  
453

or the amount 102605. Euros .