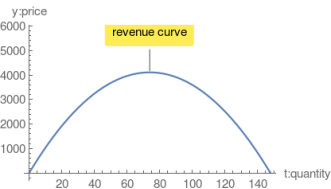


4.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{3}{4}t + 111\right) \times t = 111t - \frac{3t^2}{4}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 Euros revenue up to t-intercept coordinate equal to twice the value of vertex of the Parabola:  
148

(D) The maximum occurs at the vertex t-intercept coordinate:  
74

or the amount 4107. Euros .