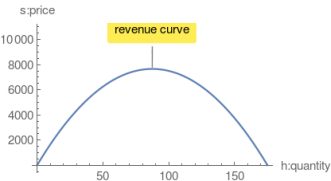


4.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = (-1h + 175) \times h = 175h - h^2$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to h-intercept coordinate equal to twice the value of vertex of the Parabola:  
175

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

$$\frac{175}{2}$$

or the amount 7656.25 Euros .