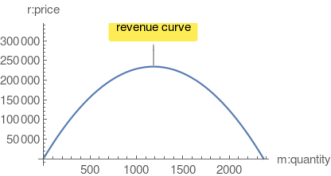


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{6}m + 395\right) \times m = 395m - \frac{m^2}{6}$$

Notice the latter is a quadratic:



(2) Domain starts at 0 Euros revenue up to m-intercept coordinate equal to twice the value of vertex of the Parabola:
2370

(4) The maximum occurs at the vertex m-intercept coordinate:
1185

or the amount 234038. Euros .