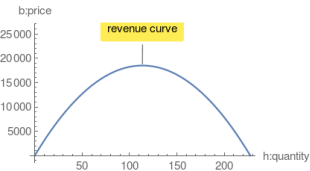


2.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{10}{7}h + 325\right) \times h = 325h - \frac{10h^2}{7}$$

Notice the latter is a quadratic:



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

$$\frac{455}{2}$$

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

$$\frac{455}{4}$$

or the amount 18484.4 RussianRubles .