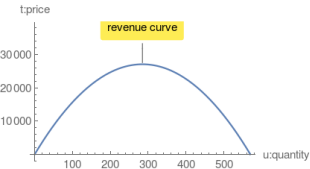


4.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{3}u + 190\right) \times u = 190u - \frac{u^2}{3}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 RussianRubles revenue up to u-intercept coordinate equal to twice the value of vertex of the Parabola:
570

(D) The maximum occurs at the vertex u-intercept coordinate:
285

or the amount 27 075. RussianRubles .