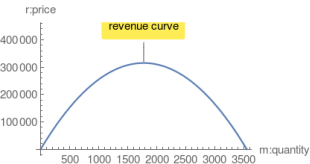


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{10}m + 355\right) \times m = 355m - \frac{m^2}{10}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 RussianRubles revenue up to m-intercept coordinate equal to twice the value of vertex of the Parabola:
3550

(D) The maximum occurs at the vertex m-intercept coordinate:
1775

or the amount 315063. RussianRubles .