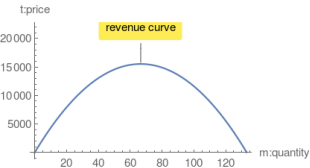


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{7}{2}m + 466\right) \times m = 466m - \frac{7m^2}{2}$$

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:

$$\frac{932}{7}$$

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

$$\frac{466}{7}$$

or the amount 15511.1 RussianRubles .