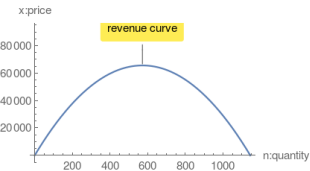


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{5}n + 229\right) \times n = 229n - \frac{n^2}{5}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 RussianRubles revenue up to n-intercept coordinate equal to twice the value of vertex of the Parabola:  
1145

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

$$\frac{1145}{2}$$

or the amount 65551.3 RussianRubles .