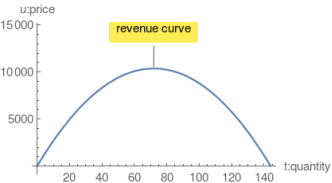


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = (-2t + 288) \times t = 288t - 2t^2$$

Notice the latter is a quadratic:



(B) Domain starts at 0 Euros revenue up to t-intercept coordinate equal to twice the value of vertex of the Parabola:
144

(D) The maximum occurs at the vertex t-intercept coordinate:
72

or the amount 10368. Euros .