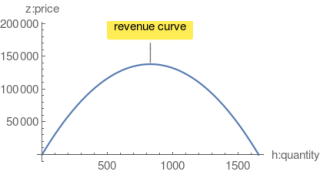


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{1}{5}h + 332\right) \times h = 332h - \frac{h^2}{5}$$

Notice the latter is a quadratic:



(B) Domain starts at 0 USDollars revenue up to h-intercept coordinate equal to twice the value of vertex of the Parabola:
1660

(D) The maximum occurs at the vertex h-intercept coordinate:
830

or the amount 137780. USDollars .