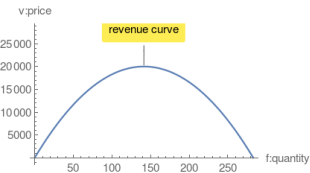


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = (-1f + 283) \times f = 283f - f^2$$

Notice the latter is a quadratic:



(B) Domain starts at 0 BritishPounds revenue up to f-intercept coordinate equal to twice the value of vertex of the Parabola:
283

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

$$\frac{283}{2}$$

or the amount 20022.3 BritishPounds .