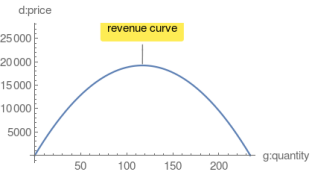


1.

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

$$\text{Revenue} = \text{Price} \times \text{Quantity} = \left(-\frac{7}{5}g + 328\right) \times g = 328g - \frac{7g^2}{5}$$

Notice the latter is a quadratic:



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

$$\frac{1640}{7}$$

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

$$\frac{820}{7}$$

or the amount 19211.4 BritishPounds .