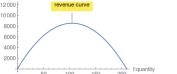
Revenue = Price×Quantity = $(-\frac{7}{9}f+163) \times f = 163 f - \frac{7f^2}{9}$ Notice the latter is a quadratic:



or the amount 8540.03 BritishPounds .

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

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

1467 (d) The maximum occurs at the vertex f-intercept coordinate: