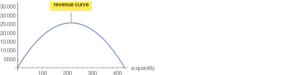
Revenue = PricexQuantity =  $(-\frac{5}{9}a+239)$  × a = 239  $a-\frac{5a^2}{9}$ Notice the latter is a quadratic:



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

(b) Domain starts at 0 BritishPounds revenue up to a-intercept coordinate equal to twice the value of vertex of the Parabola: 2151 5

 $(\mathbf{d})$  The maximum occurs at the vertex a-intercept coordinate:

or the amount 25704.5 BritishPounds .

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