Notice the latter is a quadratic:

qprice
15000
10000
5000

(b) Domain starts at 0 BritishPounds revenue up to c-intercept coordinate equal to twice the value of vertex of the Parabola:417(d) The maximum occurs at the vertex c-intercept coordinate:

 $\frac{417}{2}$ 

or the amount 14490.8 BritishPounds .

100

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

Revenue = Price×Quantity =  $\left(-\frac{1}{3}c+139\right) \times c = 139 c - \frac{c^2}{3}$