Revenue = Price×Quantity = $(-\frac{3}{7}r+465) \times r = 465 r - \frac{3r^2}{7}$ Notice the latter is a quadratic:



or the amount 126131. USDollars .

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

- 1085 (4) The maximum occurs at the vertex r-intercept coordinate: