```
Revenue = Price×Quantity = (-\frac{2}{3}q+262) \times q = 262 q - \frac{2q^2}{3}
Notice the latter is a quadratic:
 p:price
               revenue curve
35 000
30000
25 000
20 000
15000
10000
5000
```

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

(B) Domain starts at 0 USDollars revenue up to q-intercept coordinate equal to twice the value of vertex of the Parabola: 393

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

or the amount 25741.5 USDollars .