```
Revenue = Price×Quantity = \left(-\frac{10}{3}x + 426\right) \times x = 426 \times -\frac{10 \times^2}{3}
Notice the latter is a quadratic:
```



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

The maximum occurs at the vertex x-intercept coordinate:

or the amount $13610.7\,$ USDollars .