```
Revenue = Price×Quantity = (-\frac{2}{5}f + 237) \times f = 237 f - \frac{2f^2}{5}

Notice the latter is a quadratic:

qprice

revenue curve

400000
```



1185 2 (D) The maximum occurs at the vertex f-intercept coordinate:

or the amount 35105.6 USDollars .

30000

10000

1185

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