```
Revenue = Price×Quantity = (-\frac{9}{6}r+402) \times r = 402 r - \frac{9}{6}r^2
Notice the latter is a quadratic:
50000
```

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

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

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

or the amount 35912. USDollars .