```
Revenue = Price×Quantity = \left(-\frac{9}{4}g+160\right) \times g = 160 g - \frac{9g^2}{4}
Notice the latter is a quadratic:
a:price
                revenue curve
3000 -
```

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

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

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

2000

or the amount 2844.44 USDollars .