```
Revenue = Price×Quantity = \left(-\frac{9}{2}W + 400\right) \times W = 400 W - \frac{9W^2}{2}
Notice the latter is a quadratic:
  v:price
                revenue curve
12000
10000
8000
6000
4000
2000
```

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

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

The maximum occurs at the vertex w-intercept coordinate:

or the amount 8888.88 Yen .