```
Revenue = Price\timesQuantity = (-4q+367) \times \alpha = 367 \alpha - 4 \alpha^2
Notice the latter is a quadratic:
 a:price
12000 H
             revenue curve
10000
8000
6000
4000
2000
(2) Domain starts at 0 Yen 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: $\frac{367}{8}$ or the amount 8418.06 Yen .

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