```
Revenue = Price×Quantity = (-\frac{10}{9}x + 354) \times x = 354 \times -\frac{10 \times x^2}{9}

Notice the latter is a quadratic:

dprice

dprice

revenue curve
```

(2) Domain starts at 0 Yen revenue up to x-intercept coordinate equal to twice the value of vertex of the Parabola: 1593

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

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

1593 10

10000

or the amount 28196.1 Yen .