```
Revenue = Price×Quantity = (-\frac{5}{2}d+498) \times d = 498 d - \frac{5 d^2}{2}

Notice the latter is a quadratic:

y-price
35000
revenue curve
30000
15000
15000
```

(B) Domain starts at θ Yen revenue up to d-intercept coordinate equal to twice the value of vertex of the Parabola: $\frac{996}{2}$

The maximum occurs at the vertex d-intercept coordinate:

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

 $\frac{498}{\epsilon}$

 $\frac{-5}{5}$ or the amount 24800.4 Yen .