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

Revenue = Price×Quantity = (-\frac{3}{4}n+296) \times n = 296 n - \frac{3 n^2}{4}
Notice the latter is a quadratic:
             revenue curve
```

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

1184 (d) The maximum occurs at the vertex n-intercept coordinate:

40 000

or the amount 29205.3 Yen .