```
Revenue = Price×Quantity = \left(-\frac{7}{9}z + 287\right) \times z = 287 z - \frac{7z^2}{9}
Notice the latter is a quadratic:
                revenue curve
30 000
20 000
10000
```

(b) Domain starts at 0 Yen revenue up to z-intercept coordinate equal to twice the value of vertex of the Parabola: 369

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

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

or the amount 26475.8 Yen .