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

Revenue = Price×Quantity = \left(-\frac{1}{3}z + 484\right) \times z = 484z - \frac{z^2}{3}
Notice the latter is a quadratic:
250 000 F
             revenue curve
200 000
150 000
100 000
50 000
(b) Domain starts at 0 Euros revenue up to z-intercept coordinate equal to twice the value of vertex of the Parabola:
1452
(d) The maximum occurs at the vertex z-intercept coordinate:
726
```

or the amount 175692. Euros .