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1. (1) Basis for the Revenue model is a simple multiplication:
Revenue = Price×Quantity = \left(-\frac{4}{3}j + 180\right) \times j = 180 j - \frac{4j^2}{3}
Notice the latter is a quadratic:
             revenue curve
6000
4000
2000
(2) Domain starts at 0 Euros revenue up to j-intercept coordinate equal to twice the value of vertex of the Parabola:
135
```

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

or the amount 6075. Euros .