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1. (1) Basis for the Revenue model is a simple multiplication:
Revenue = Price×Quantity = \left(-\frac{9}{10}f + 304\right) \times f = 304 f - \frac{9 f^2}{10}
Notice the latter is a quadratic:
             revenue curve
35 000
30000
20 000
10000
5000
(2) Domain starts at 0 Euros revenue up to f-intercept coordinate equal to twice the value of vertex of the Parabola:
(4) The maximum occurs at the vertex f-intercept coordinate:
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or the amount 25671.1 Euros .

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