2.
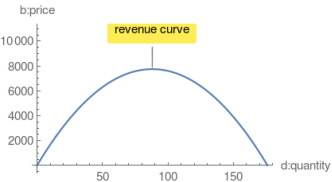
2. (a) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $(-1d+176) \times d = 176d - d^2$

Notice the latter is a quadratic:

(b) Domain starts at 0 Euros revenue up to d-intercept coordinate equal to twice the value of vertex of the Parabola:
176

(d) The maximum occurs at the vertex d-intercept coordinate:
88

or the amount 7744. Euros .