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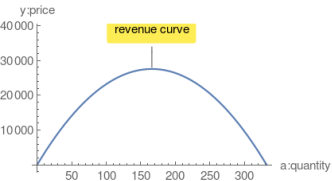
1. (A) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $(-1a+332) \times a = 332a - a^2$

Notice the latter is a quadratic:

(B) Domain starts at 0 Euros revenue up to a-intercept coordinate equal to twice the value of vertex of the Parabola:
332

(D) The maximum occurs at the vertex a-intercept coordinate:
166
or the amount 27556. Euros .