4.

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

Revenue = Price×Quantity = $(-\frac{1}{3}e+113) \times e = 113e - \frac{e^2}{3}$

Notice the latter is a quadratic:
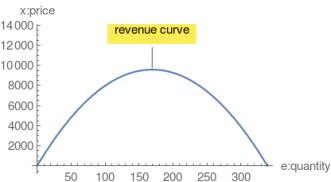
(B) Domain starts at 0 Euros revenue up to e-intercept coordinate equal to twice the value of vertex of the Parabola: 339

(D) The maximum occurs at the vertex e-intercept coordinate:

$\frac{339}{2}$

or the amount 9576.75 Euros .