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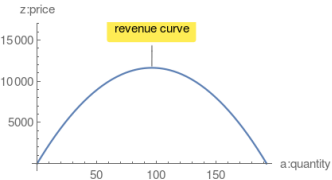
2. (A) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $\left(-\frac{5}{4}a+241\right) \times a = 241\,a - \frac{5\,a^2}{4}$

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:

$\frac{964}{5}$

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

$\frac{482}{5}$

or the amount 11616.2 Euros .