1.

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

Revenue = Price×Quantity = $(-\frac{1}{5}s+183) \times s = 183s - \frac{s^2}{5}$

Notice the latter is a quadratic:
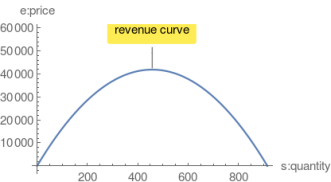
(B) Domain starts at 0 Euros revenue up to s-intercept coordinate equal to twice the value of vertex of the Parabola: 915

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

$\frac{915}{2}$

or the amount 41861.3 Euros .