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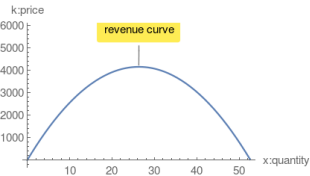
1. (A) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $(-6x+316) \times x = 316x - 6x^2$

Notice the latter is a quadratic:

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

$\frac{158}{3}$

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

$\frac{79}{3}$

or the amount 4160.66 RussianRubles .