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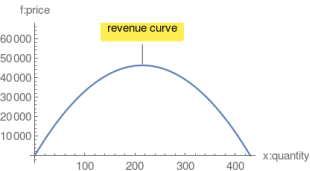
1. (1) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $(-1x+430) \times x = 430x - x^2$

Notice the latter is a quadratic:

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

430

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

215

or the amount 46 225. RussianRubles .