Notice the latter is a quadratic:

sprice
25000
20000
15000

3. (a) Basis for the Revenue model is a simple multiplication: Revenue =  $Price \times Ouantity = (-2c+397) \times c = 397c-2c^2$ 

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

 $\frac{397}{2}$  (d) The maximum occurs at the vertex c-intercept coordinate:

 $\frac{397}{4}$  or the amount 19701.1 RussianRubles .

10 000 5000