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

Revenue = Price×Quantity = $(-\frac{8}{6}d+214) \times d = 214 d - \frac{8 d^2}{6}$

(b) Domain starts at 0 RussianRubles revenue up to d-intercept coordinate equal to twice the value of vertex of the Parabola: $\frac{535}{4}$

d) The maximum occurs at the vertex d-intercept coordinate:

 $\frac{535}{8}$ or the amount 7155.62 RussianRubles .

6000 4000 2000