```
Revenue = Price\timesQuantity = (-\frac{10}{7}b+468) \times b = 468b - \frac{10b^2}{7}

Notice the latter is a quadratic:

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```

' 50 100 150 200 250 300 (2) Domain starts at 0 RussianRubles revenue up to b-intercept coordinate equal to twice the value of vertex of the Parabola: 1638

(4) The maximum occurs at the vertex b-intercept coordinate:  $\underline{\textbf{819}}$ 

or the amount 38329.2 RussianRubles .

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