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

Revenue = Price×Quantity = (-\frac{1}{4}v+372) \times v = 372 v - \frac{v^2}{4}
Notice the latter is a quadratic:
200 000 1
150 000
100 000
50 000
```

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

1488 (d) The maximum occurs at the vertex v-intercept coordinate:

or the amount 138384. RussianRubles .