```
Revenue = Price \(\text{Quantity} = (-4x + 442) \times x = 442 x - 4 x^2\)

Notice the latter is a quadratic:

| kprice | revenue curve | |
```

221
2
(D) The maximum occurs at the vertex x-intercept coordinate:

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

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or the amount 12210.3 RussianRubles .

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