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

Revenue = Price×Quantity = (-\frac{1}{2}c+250) \times c = 250 c - \frac{c^2}{2}
Notice the latter is a quadratic:
  w:price
            revenue curve
150 000
100 000
50 000
(b) Domain starts at 0 Euros revenue up to c-intercept coordinate equal to twice the value of vertex of the Parabola:
2250
(d) The maximum occurs at the vertex c-intercept coordinate:
```

1125

or the amount 140625. Euros .