```
q:price
80 000
60 000
40 000
20 000
```

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

1565 The maximum occurs at the vertex y-intercept coordinate: (d)

1565

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

Revenue = Price×Quantity = $\left(-\frac{2}{5}y+313\right) \times y = 313 y - \frac{2y^2}{5}$

Notice the latter is a quadratic:

or the amount 61230.6 Euros .