```
Notice the latter is a quadratic:
12000
10000
8000
6000
```

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

The maximum occurs at the vertex a-intercept coordinate:

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

Revenue = Price×Quantity =  $(-\frac{2}{3}a+153) \times a = 153 a - \frac{2a^2}{3}$ 

or the amount 8778.37 Euros .

4000 2000