```
3. (1) Basis for the Revenue model is a simple multiplication: Revenue = Price×Quantity = (-\frac{9}{5}f+329) \times f = 329 f - \frac{9f^2}{5}

Notice the latter is a quadratic:

pprice

revenue curve
```

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

(4) The maximum occurs at the vertex f-intercept coordinate:

18 or the amount 15033.5 Euros .

5000

1645

1645