```
Revenue = Price×Quantity = (-\frac{9}{9}r+323) \times r = 323 r - \frac{9}{9}r^2
Notice the latter is a quadratic:
             revenue curve
30 000
25 000
20 000
15000
10 000
5000
(B) Domain starts at 0 Euros revenue up to r-intercept coordinate equal to twice the value of vertex of the Parabola:
```

 $\frac{}{9}$  or the amount 23184.2 Euros .

(D)

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

The maximum occurs at the vertex r-intercept coordinate: