```
Notice the latter is a quadratic:

exprice
40000
20000
50 100 150 200 250 dequantity
```

(B) Domain starts at 0 BritishPounds revenue up to d-intercept coordinate equal to twice the value of vertex of the Parabola:

(D) The maximum occurs at the vertex d-intercept coordinate:  $\frac{249}{2}$  or the amount 31000.5 BritishPounds .

1. (A) Basis for the Revenue model is a simple multiplication: Revenue =  $Price \times Quantity = (-2d + 498) \times d = 498 d - 2 d^2$