Revenue = Price×Quantity = $(-\frac{1}{8}d + 280) \times d = 280 d - \frac{d^2}{8}$ Notice the latter is a quadratic: $\frac{f_{price}}{150000}$

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

(2) pomain starts at 6 obbottars revenue up to d-intercept coordinate equal to twice the value of veri

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

or the amount 156800. USDollars .

50000

1120

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