

3.2 Max/Min Values of Quadratic Functions

Eg.1) For the function $f(x) = 3x^2 - 2x - 5$, find:

a) the x-intercepts.

b) the max/min value (ie. vertex)

Eg. 2) Find the maximum or minimum value for the function $h(x) = -2x^2 + 10x + 55$.

REVENUE = PRICE (NUMBER SOLD)

$$R(x) = p(x)(x)$$

PROFIT = REVENUE - COST

$$P(x) = R(x) - C(x)$$

Eg. 2) (p. 151)