Recall: *C(q)* = Cost to produce quantity *q* items

Marginal Cost is the cost to produce one more item. In other words, Marginal Cost is the *rate of change* of Cost.

Improved definition of Marginal Cost:

Improved definition of Marginal Revenue:

Improved definition of Marginal Profit:

Example: Suppose that represents the cost to produce pizzas in dollars. means that the cost to produce 15 pizzas is $40. Suppose also that . Find .