

Chapter 2.4: More Interpreting Derivatives

Calculus I

College of the Atlantic. Fall 2016

1. Suppose that $f(50) = 30$ and $f'(50) = -1.5$. Estimate $f(52)$.
2. Let $g(v)$ be the fuel efficiency in mpg of a car traveling at v miles per hour. What is the practical meaning of the statement:

$$g'(55) = -0.54 ?$$

3. Let $C(n)$ be the cost of providing a COA education to n students. What is the practical meaning of the following quantities?
 - (a) $C(350)$
 - (b) $C'(350)$