

Math152 – Spring 2016 – In-class Group Assignment 5

A laboratory study investigating the relationship between diet and weight in adult humans found that the weight of a subject, W (in pounds), was a function, $W = f(c)$, of the average number of calories per day, c , consumed by the subject.

a) Interpret the statements $f(1800) = 155$ and $f'(2000) = 0$

in terms of diet and weight.

b) What are the units of $f(c)$?