Quiz 1

MATH 11A - Discussion Section F January 26, 2017

Name & ID #:	
(1)	 The half-life of Bismuth-210, ²¹⁰Bi, is 5 days. If a sample has a mass of 200mg: (a) Fine the amount remaining after 15 days. (b) Find the amount remaining after t days. (c) Find the amount of time t_n required to have ²⁰⁰/_n of the sample remain (<i>Hint: Exact same approach as determining half-life</i>).

age a, pharmacists use the equation $c = 0.0417\mathcal{D}(a+1)$. Suppose the dosage for an adult is 200mg.

(a) Find the slope of the graph of c. What does it represent?

(b) What is the dosage for a newborn?