$\begin{array}{c} \text{Math 1400 Fall 2011} \\ \text{Quiz 9} \\ \text{November 11, 2011} \\ \text{No Work} = \text{No Credit} \end{array}$

Name:	Student Number:
1. The	balance in a savings account after t years is given by the formula $A(t) = 5000e^{0.04t}$.
(a)	(2 points) How much money will be in the account after 10 years?
(b)	(3 points) How fast is the balance growing after 10 years? (Hint: You can either differen-
	tiate or use the fact that the exponential model satisfies a certain differential equation).