1. I invest $1000 on January 1, 1995. By January 1, 1996, my investment is worth $1200. The time unit is years. Write down $A(0)$, $A(1)$, and $a(1)$ in the following three cases:
   (a) The money unit is $1
   (b) The money unit is $10
   (c) The money unit is $100

2. Sketch a graph of $a(t)$ for the following bank accounts. Assume simple interest, with a strictly positive interest rate.
   (a) Interest is added to the account at the end of each year (i.e. annually).
   (b) Interest is added to the account at the end of each three months (i.e. quarterly).
   (c) Interest is added to the account continuously.
   (d) Interest is added to the account continuously and bank charges are removed from the account at the start of each year.

3. Suppose an account has amount function $A(t) = 200 + 10t + t^2$.
   (a) Find the interest earned between $t = 2$ and $t = 4$
   (b) Find $a(5)$
   (c) Find $i$ and $i_5$

4. Chapter 1, exercise 9

5. Chapter 1, exercise 11