

CSCE 317, Spring 2014, Assignment 2  
Due 12:00 noon, Monday February 10

February 5, 2014

All exercises are from the textbook. As usual, show your work.

1. Do Exercise 3.2 on page 64.
2. Do Exercise 3.4 on page 65.
3. Do Exercise 3.5 on page 65.
4. Do Exercise 3.8(a,b) on page 65.
5. Do Exercise 3.12 on page 66. You may find the following identity useful:

$$e^x = \lim_{n \rightarrow \infty} \left(1 + \frac{x}{n}\right)^n$$

holds for all real  $x$ —particularly,  $x = -\lambda$ .

6. Do Exercise 3.14 on page 66. Due 12:00 noon, Wednesday February 12.
7. Do Exercise 3.19 on page 67. Assume that one year is 365 days (exactly).