

36-325/725
Homework 3
due Thursday September 12

- (1) Chapter 3 problem 1.
- (2) Chapter 3 problem 4.
- (3) Chapter 3 problem 5.
- (4) Chapter 3 problem 7.
- (5) Chapter 3 problem 10.
- (6) Chapter 3 problem 12.
- (7) Chapter 3 problem 13. Here are some helpful R commands:

```
x <- rnorm(n,mu,sigma)    ### draw n Normals,  
                           ### mean mu and st.dev sigma  
y <- exp(x)              ### y = e^x  
hist(y)                  ### histogram  
### use the help command to see more on the hist function
```

- (8) Chapter 3 problem 14.
- (9) Chapter 3 problem 15.
- (10) Chapter 3 problem 20.
- (11) Chapter 3 problem 18. (Do not hand this question in.)