

## Math 313-01, Homework for Quiz # 5

1. A store stocks batteries from three suppliers. Suppliers  $A$ ,  $B$ , and  $C$  supply 20%, 15%, and 65% of the batteries, respectively. It has been determined that company  $A$ 's batteries are 1% defective, company  $B$ 's are 2% defective and company  $C$ 's are 3% defective. Assume a battery is selected at random and found to be defective. Find the probability that it came from supplier  $C$ ?

2 – 9. ## 1 – 8 from the Exercises in Section 2.11 on page 84 of the text