MA 110 Quiz 9 ANSWERS

Multiple Choice. Choose the one alternative that best completes the statement or answers the question. Put the **letter** of your answer in the box provided.

1. Two fair 6-sided dice are rolled at once, and the faces that show up are D observed. The probability that the sum of the faces showing is 10 is a. 0 d. 1/12 g. 1/3 Event: sum 10 =Prob(sum 10) =b. 1/36 e. 1/9 h. 1/2 $\{(4,6), (6,4), (5,5)\}$ 3/36 = 1/12 f. 1/6 c. 1/18 i. 1 Size = 32. A box contains 3 red marbles and 2 white marbles. Two marbles are F drawn at random, but the first is **not** replaced before drawing the second. The probability that both drawn are red is d. 4/25a. 1/10 Prob(RR) =g. 9/25 b. 1/5 $Prob(R) \times Prob(R|R)$ e. 6/25 h. 2/5 $= (3/5) \times (1/2) = 3/10$ c. 3/25 f. 3/10 i. 3/5 3. Which bar graph below best represents the data? (All are based upon the A/C

same data on 87 student test scores.) (Accept either A or C.) 14 35 Number of Students 30 12 Number of Students 25 10 20 8 15 6 10 4 5 2 0 Π 0 9-12 13-16 17-20 0-4 5-8 ò N ω 2 2 9 8 8 4 **Test Scores Test Scores** B A 60 Number of Students 70 Number of Students 50 60 40 50 40 30 30 20 20 10 10 0 0 F D С в Α 0-10 11-20 **Test Grades Test Scores** D С