Sample quiz

| | Math 142 – Fall 2003 | | NAME: | | • |
|---|--|--|----------------------------|---------------|---------------------------------|
| | Quiz #3 | 15 | | | |
| | Sections11.1 -11.2 | | Seat: | / · · · · · · | \ . |
| | 2pts 1. a. If a fair coin is | tossed three times, how man | v possible outcomes are | there? | |
| | | 1-2,2=8 | y possess outcomes and | more: | |
| | b. What is the pro | bability of getting one head | and two tails on the thre | e tosses? | rt I I |
| | | | | (3) TH | tT/1 |
| | 3pts | | (, | 8) 1 | - HL 3/31 |
| | | are rolled. What is the proba | ability that the sum is 10 | | 1 |
| | , 22 | 46 /3 | | - / | |
| 6. | 6 = 36 | $\begin{array}{c} 46 \\ 55 \\ 6,4 \end{array}$ Shability that the sum is not 1 | - / | | |
| | h What is the pro | 6, 4 Shahility that the sum is not 1 | $\frac{1}{100}$ 32 | | |
| $\frac{1}{2}$ | | | | | |
| | | 1 | 36 | | |
| | 3. A bag contains 8 6 pts. | red balls, and 5 white balls, a | and 4 blue balls. | | |
| | a. Draw a probability tree diagram to illustrate drawing one ball from the bag and then drawing a | | | | |
| second ball from the bag (without replacing the first ball). | | | | | |
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| | | 1-1 Dall 7 | V. sa bay | | • |
| 1 | 81 | 0 | 16 K | , b- | |
| \ | 5W | 10/ N. | I W > P/R | W)= # 0 | 5 |
| | 4B/ | * | ER | 17 7 | No. 2 34 |
| L | | 5/18 | - 0 - 0 (1) | \mathcal{Q} | |
| | 12 | 72 W 36 | # 4 D (N | £ 5. | 8 5 |
| (| 11) | | 16 W | 12 | $\frac{1}{16}$ = $\frac{1}{34}$ |
| | | 4 9 | B | | - 1 |
| | | 12 1 | b Seri D | | |
| | | 11 3 | 96 K | | |
| | | \sim | S N | | |
| | | 2) | 76 | | |
| | | 7/1 | 6 B | | |
| 4pts | | | | | |
| Use the tree diagram to help you answer the following question: b. What is the probability of getting a red ball and a white ball? | | | | | |
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| | f (| KU (or) WM = | 1 | (,,,) | |
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