

BIOS 600 · Quiz 3.1: Basic Probability

13 September 2011

1. **Honor Pledge:** I have neither given nor received unauthorized aid on this assignment.
(Sign and print your name.)

2. If you get 10 straight heads in tossing a coin, a tail is ??? on the next toss.

- (a) more likely
- (b) less likely
- (c) neither more nor less likely

3. [Question taken from 100.] Two tickets are drawn at random without replacement from the following box

1	2	3	4
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- (a) What is the chance that the second ticket is 4?
- (b) What is the chance that the second ticket is 4, given that the first is 2?
- (c) What is the probability that 2 is drawn first and 4 is drawn second?

4. Circle the bins where color and number are dependent.

1	2	1	2
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1	2	3	4
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1	2	3	4
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1	1	1	1
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