

Math 112 - Quiz 11

May 2, 2018

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (3 points) Which of the following are probability experiments? Circle all that apply.
 - (a) A card is selected from a shuffled deck.
 - (b) A cup of water is placed into the freezer.
 - (c) An 8-sided die is rolled.
 - (d) A ball is thrown upward.
 - (e) A coin is flipped.
 - (f) A student answers a true/false question by guessing.
2. (3 points) Consider the experiment of rolling a 4-sided die.
 - (a) What is a sample space for this experiment?
 - (b) Give an example of an event. Describe it in words.
 - (c) Determine the theoretical probability of the event you described above.
3. (4 points) Give an example of a probability that might be assigned to
 - (a) an impossible event
 - (b) a certain event
 - (c) an event that is very unlikely, but not impossible
 - (d) an event that is very likely, but not certain