Math 112 -	Quiz	10
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May 2, 2019

Name _		
	Score	

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

- 1. (3 points) Consider the experiment of rolling an 8-sided die.
 - (a) What is a sample space for this experiment?
 - (b) Give an example of an event (associated with this experiment). Describe it in words.
 - (c) Determine the theoretical probability of the event you described above.
- 2. (4 points) A letter is selected at random from the word sleeveless.
 - (a) What is the sample space?
 - (b) What is the event of selecting a consonant?
 - (c) What is the probability of selecting the letter s or e?
- 3. (1 point) Suppose A is an event with P(A) = 0.635. Determine P(A').
- 4. (2 points) Decide whether the probability is theoretical (classical) or experimental (empirical).
 - (a) Isabella grabbed 14 Skittles candies from a jar, and 6 of them were red. Her probability of selecting a red candy is 6/14.
 - (b) In flipping two coins, the probability of them both landing heads up is 25%.