

Math 112 - Quiz 9

May 1, 2019

Name _____

Score _____

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

1. (2 points) If the probability of the event A is 37%, then what is the probability of A' ?

2. (8 points) A letter is selected at random from the first box and placed into the second box. Then a letter is selected at random from the second box.

O	O	O	O	X
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O	O	O	X	X	X
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- (a) Sketch the complete tree diagram for this experiment. **Include the probabilities of each path.**

- (b) What is the probability of selecting at least one X?

- (c) What is the probability of selecting O from the first box or O from the second box?