

Math 112 - Quiz 12

May 9, 2018

Name _____

Score _____

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

1. (10 points) A teacher collected the following data on her students.

	Completed assignments	Did not complete assignments
Passed class	217	59
Failed class	18	67

One of those students is selected at random.

- (a) What is the probability that the student completed assignments?
- (b) What is the probability that the student passed the class?
- (c) What is the probability that the student completed assignments or passed the class?
- (d) What is the probability that the student completed assignments and passed the class?
- (e) Explain why the answer in part (c) is not the sum of the answers in parts (a) and (b).