

Math 112 - Quiz 8

October 1, 2018

Name key

Score _____

Show all work to receive full credit. Supply explanations when necessary. This quiz is worth 5 points. YOU MUST WORK INDIVIDUALLY.

1. (1 point) Write the truth table for $\sim p$.

p	$\sim p$
T	F
F	T

2. (4 points) Write the negation of each statement.

- (a) I have seen a four-leaf clover.

I HAVE NOT SEEN A FOUR-LEAF CLOVER.

- (b) Some of my friends have new iPhones.

NONE OF MY FRIENDS HAVE NEW IPHONES.

- (c) No one gets out on time.

SOME ONE GETS OUT ON TIME.

- (d) Every happy dog wags its tail.

SOME HAPPY DOGS DO NOT WAG THEIR TAILS.