

Math 112 - Quiz 9

October 2, 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. (1 point) Construct the truth table for $\sim(\sim p)$.

p	$\sim p$	$\sim(\sim p)$
T	F	T
F	T	F

3. (3 points) Write the negation of each statement.

- (a) I am wearing a white shirt.

I AM NOT WEARING A WHITE SHIRT.

- (b) The classroom isn't full.

THE CLASSROOM IS FULL.

- (c) The glass is half empty.

THE GLASS IS NOT HALF EMPTY.