

Key

Math 150 Quiz 1

1. Decide whether each is a statement or is not a statement.

- a) The ZIP code for Oscar, LA, is 70762. *statement*
- b) Yield to oncoming traffic. *not a statement*
- c) $5 + 9 \neq 12$ or $4 - 2 = 5$. *statement*
- d) What are you doing? *not a statement*
- e) Julia Roberts is the best actress of all time. *not a statement*

2. Let p represent "Brandon has blue eyes" and let q represent "Justin is in the eighth grade." Translate each symbolic compound statement into words.

- a) $\sim p$
- b) $p \vee q$
- c) $\sim q$
- d) $q \wedge p$
- e) $p \vee \sim q$

- a) Brandon does not have blue eyes.
- b) Brandon has blue eyes or Justin is in the eighth grade.
- c) Justin is not in the eighth grade.
- d) Justin is in the eighth grade and Brandon has blue eyes.
- e) Brandon has blue eyes or Justin is not in the eighth grade.