

Quiz #1, Math 245, Vanden Eynden

NAME _____

Covers 2.1 – 2.2

10 points TAKE HOME QUIZ. YOUR WORK SHOULD BE YOUR OWN.

1. Use De Morgan's law to write the negation of the following statement.

“Janice passed Math 180 and got an A in Physics 140”

2. Write the negation of the following conditional statement.

“If Jenny wakes up late, then she will not be on time for her 9am class.”

- 3 Use a truth table to show that $(p \rightarrow q) \rightarrow r$ is logically equivalent to $(p \vee r) \wedge (q \rightarrow r)$.