

Math 240, Quiz 1

Circle One: T 12:05 T 2:25 R 12:05 R 2:25

Instructions: Answer all questions fully, showing work where necessary.
Construct a truth table for each of these compound propositions:

a) $p \leftrightarrow \neg p$

b) $(p \wedge q) \rightarrow (p \vee q)$

c) $(p \leftrightarrow q) \oplus (p \leftrightarrow \neg q)$