

Mathematics 174

Quiz # 2

Name: _____

You must show your work to get full credit.

1. Make a truth table for $p \wedge \sim (q \vee r)$.
2. Make a truth table for $p \wedge \sim q \wedge \sim r$.
3. Are $p \wedge \sim (q \vee r)$ and $p \wedge \sim q \wedge \sim r$ logically equivalent? Write a sentence or two explaining why or why not.