## Math 105

Problem of the Day #7 (10 points)

Name \_\_\_\_

Construct the truth table to show that *Modus Ponens* is a valid argument.

$$((p \to q) \land p) \to q$$

Construct the truth table to show that Hypothetical Syllogism is a valid argument.

$$((p \to q) \land (q \to r)) \to (p \to r)$$