**SE-410 Homework 5**

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1. Draw a truth table to show that ¬(P→ Q) ≡ P∧¬Q

4. Explain the difference between the universal and the existential quantifiers.

5. Express the following statements in the predicated calculus

a. All natural numbers are greater than 10

b. There is at least on natural number between 5 and 10

c. There is a prime number between 100 and 200