



COMP233 – Discrete Mathematics  
Quiz 1 – Dr. Radi Jarrar  
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Student Name: \_\_\_\_\_

St. ID : \_\_\_\_\_

**Question 1: Construct the truth table to determine whether the following argument form is valid or not?**

$$\begin{aligned} & p \\ & p \leftrightarrow \neg c \\ & \neg q \wedge \neg r \\ & \therefore r \end{aligned}$$

**Question 2 : Write the negation, converse, inverse and contrapositive of the following statement:**

*Watching the world cup is sufficient for me to be happy.*

<b>Negation</b>	
<b>Converse</b>	
<b>Inverse</b>	
<b>Contrapositive</b>	

