

Math 2283 - Introduction to Logic

Quiz #5 - 2015.09.11 Solutions

1. Write the converse statement to the conditional sentence “If Preston is in class, then Devon will not be in class.”.

The converse statement is: “If Devon is not in class, then Preston is in class. ”

2. Write the inverse statement to the conditional sentence “If Preston is in class, then Devon will be in class.”.

The inverse statement is: “If Preston is not in class, then Devon will not be in class.”.

3. Write the contrapositive statement to the conditional sentence “If Preston and Devon are in class, then we will not be sad.”.

The contrapositive statement is: “If we are sad, then it is not true that Preston and Devon are in class.”.