

## **If-then Statements**

### **Conditionals**

**If  $p$ , then  $q$**

**The  $p$  is the hypothesis, what is given**

**The  $q$  is the conclusion, what is to be proven**

## **Other Conditionals**

**If  $p$ , then  $q$  – statement**

**If  $q$ , then  $p$  is the converse**

**If  $q'$ , then  $p'$  is the contrapositive**

**If  $p'$ , then  $q'$  is the inverse**