## Module 6 – Reasoning and Proof Lesson 1 – Types of Reasoning

	ts with their n-a symbol	s		
List the types of statements with their p-q symbol Statement		p-q symbol		
Write the hypothesis and	conclusion of each cond	itional statem	ents.	
Statement	Hypothesis		Conclusion	
If you do not eat, you will be hungry.				
If it rains, then the game will be cancelled.				
If y is greater than zero, then y is positive.				
Write the converse, invers	e, and contrapositive of	each stateme	nt. Indicate their truth va	ue as wel
Write the converse, invers	e, and contrapositive of Statement	each stateme	nt. Indicate their truth va	ue as wel
Write the converse, invers  If a person is gifted, then he is good in Geometry		each stateme	nt. Indicate their truth va	
If a person is gifted, then	Statement	each stateme	nt. Indicate their truth va	

If $x=3$ , then $x^2=9$	Converse:		
	Inverse	2:	
	Contra	positive:	
Rewrite each conditional s	tatemer	at as biconditional	
Conditional		Biconditional	
If I am breathing, then I am alive.			
If I passed the exam, then 70% or higher.	l scored		
If x + 2 = 7, then x = 5.			
Fill in the blanks			
		vith a and arrives at a	
2.		starts with specific situations and arrives at a general 1	rule.
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