10/6/23

Quiz 2

Josiah Schmitz

I. There is a geometric figure that is both a rectangle and a square True; a square is also a rectangle. It. There is a geometric figure that is a rectangle but not a square. True; [ ] this is a rectangle but not a square. True; [ ] this is a rectangle but not a square. It. All squares are rectangles. True; by Jefinition, a square is a rectangle with equal sides.

2. 12 divides 709,438 = p; 3 divides 709,438 = 9;

Sum of Li	9,75 191	107.73	8 10	- 4 & - 5	11
	P 7 9	p > 9	] ~ p	INP	The argument is valid
		T	F	F	because the conclusion
TTF	-	1	T	F	is true when all the
TFT		E	F		premises are true.
1		7	7		
TFF	7	+ 1	-	7	
FTT	-		-	apt-	
FTF			-	T	
FFT			F	-	
FFF	1	TI		1	<

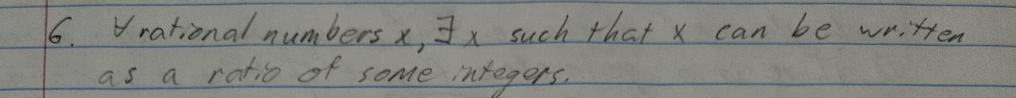
3, p > q Vald, because it follows the modus tollers

ng form of argument.

4. I. 5=1 II. ~ (P/Q) 1(QVR)

5. I. Y square of odd integer n, n is odd.

II. In, if n is not the square of an odd integer, then n is odd



7. P AND AND

8. For A, x=4, 10, 16, For B, y=2, 20, 38. A and B

do not share elements so A=B is false and

B=A is false. For C, z=16, 34, 52. B and C do not

share elements, so B=C is false.