Math 117: Statements

sider the statements p, q , and r given below, a p : 7 is prime p : 10 is odd p : p : 2 p = 8	nd fill in the table:	
Statement	Symbols	T/F
7 is prime or 10 is odd		
It is not the case that 7 is prime or 10 is odd		
7 is not prime and 10 is not odd		
If 7 is prime, then 10 is odd		
If 10 is odd or $2^2 = 8$, then 7 is not prime		
If 10 is odd implies 7 is prime, then $2^2 \neq 8$.		

Therefore, the *only* way for $p \Rightarrow q$ to be false is ______.

Т

F T F

Describe the negation of $p \Rightarrow q$: $\sim (p \Rightarrow q) \Leftrightarrow$ ______.