solutions

Geometry #9: Logical Statements Booklet

Let p represent "It is cold" and let q represent "It is snowing." Which expression can be used to represent "It is cold and it is not snowing"? (1) $\sim p \wedge q$ (2) $p \wedge \sim q$ (3) $p \vee \sim q$ (4) $\sim p \vee q$ $\Rightarrow q = 14$ is S	nowing.
9. Each part that follows consists of a set of three sentences. The truth values of the first two sentences are given. Determine the truth value of the third sentence. It rains of it is cold. TRUE	it is not snowing
It is cold. It rains. b. The month is June and it is not warm. The month is June. The month is June. TRUE TRU	P Q P V Q T T T
I will not study. FI will pass the test. d. [I will not work at camp this summer] or [I will attend summer school. I will work at camp this summer. TRUE TRUE TRUE	FTT
e. The month is not January land it is not snowing. The month is January. It is not snowing. TRUE TRUE TRUE TRUE TRUE TRUE (1) p and q are both true. (3) p) is true and q is false.	F F F
(2) p is false and q is true. (4) p and q are both false. 8. Show or explain how you arrived at your answer.	
Ladd is the football coach." Write in symbolic form: "Mr. Ladd does not teach mathematics and Mr. Ladd is the football coach." Y = Mr. Ladd teaches Math Y = Mr. Ladd is football coach."	
Mr. Ladd does not teach math and he's football	Coach
$\sqrt{2}$	
	< 2 / 4 >