## LEMOYNE-OWEN COLLEGE

DIVISION OF NATURAL AND MATHEMATICAL SCIENCES

COSI240 Dr. Valerie Chu

## Assignment 2

Name: _	
Write	a negation for each of the following statements:
1.	All boats are unsinkable.
2.	At least one cat loves catnip.
3.	He is tall or he is not handsome.
Transl	represent the statement "it is hot," and let $q$ represent the statement "it is dry." late each $symbolic$ compound statement into $words$ . $p \lor q$
5.	$\sim p \wedge q$
-	represent the statement "he wins the contest," and let q represent the statement "he Tampa." Write each of the following in symbols.
6.	He does not win the contest or he does not visit Tampa.
7.	He visits Tampa and he wins the contest.
Decid	e whether the following compound statements are true or false:
8.	7+1=10 \( \text{8} > 10 \)
9.	$6-2=4 \lor 3-1=2$
10.	Construct a truth table for $(\sim p \lor q) \land \sim q$