

Name _____ Date _____

Quiz: Logic – Negation - NOT and Conjunction - AND

1.	Assume the given sentence is true. "1 is odd and $7 + 2 = \underline{\hspace{1cm}}$." Which number could be used to fill the blank?	
2.	What is the truth-value of the statement? "1 + 3 = 5 and 5 - 4 = 9."	
3.	What is the truth-value of the statement? "6 - 4 = 2 and 4 + 2 = 7."	
4.	"A triangle has two vertexes." What is the truth-value of the negation of this sentence?	
5.	What is the truth-value of the statement? "4 is even and 8 is odd."	
6.	What is the truth-value of the statement? "Horses bark and cows moo."	
7.	What is the truth-value of the sentence? "Triangle has three sides or all squares are triangle."	
8.	What is the truth-value of the statement? "4 + 4 = 4 and 8 is even."	
9.	What is the truth-value of the statement? "2 is even and 7 is odd."	
10.	"All circles have circumference." What is the truth-value of the negation of this sentence?	

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%