Math 112	-	Quiz	6
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March 21, 2018

Name		
1 (001110	Score	

Show all work to receive full credit. Supply explanations when necessary.

1. (6 points) Use truth tables to show that $\sim (p \wedge q)$ is logically equivalent to $\sim p \vee \sim q$.

- 2. (1 point) The problem above establishes one of DeMorgan's two laws. State the other one of DeMorgam's laws.
- 3. (3 points) Use DeMorgan's laws to negate each statement.
 - (a) He does not have a car, and he does not have a bike.
 - (b) She eats in the cafeteria, or she eats at Taco Bell.