Question:	1	2	Total
Points:	4	6	10
Score:			

1. (4 points) Consider the following atomic propositions:

    - $p = $ "You did the homework."
    - $q = $ "You studied for the exam."
    - $r = $ "You passed the course."

    Express each of the following compound propositions as an English sentence:

    a. $p \wedge q$

    b. $q \longrightarrow r$

    c. $(\neg p \vee \neg q) \longrightarrow \neg r$

    d. Briefly describe a scenario in which the conditional $q \longrightarrow r$ would be *false*.

2. (6 points) Fill in the truth table for the compound proposition: $(\neg p \vee \neg q) \longrightarrow \neg r$:

p q r	$\neg p$	$\neg q$	$\neg p \vee \neg q$	$\neg r$	$(\neg p \vee \neg q) \longrightarrow \neg r$
T T T					
T T F					
T F T					
T F F					
F T T					
F T F					
F F T					
F F F					