**Math 116: Written Homework Set 9**

**This assignment is due on Wednesday, February 27th in class. Show all work where possible! Answers magically appearing will receive no credit.**

1. Construct truth tables for the following.

a.   
 b.   
 c.

d.

2. Write the negation of the following statements (note that De Morgan’s laws may be helpful).

a. I like school and I like this class.

b. I will pass this class or I will quit school.

c. I do not like math and I do not like history.

**Selected Answers**

|  |
| --- |
|  |
| F |
| F |
| T |
| F |

1. a.

|  |
| --- |
|  |
| T |
| T |
| F |
| T |

c.

2. a. I do not like school or I do not like this class.

c. I like math or I like history.