

Name _____

Date _____

Conjunctions [asks for Logic Table] - Matching Worksheet

Match the truth value tables with the statements.

1. Make a truth table for the statement:
 $\sim U \wedge V$

a.

M	L	$\sim M$	$\sim L$	$\sim M \wedge \sim L$
T	T	F	F	F
F	F	T	T	T

2. Make a truth table for the statement:
 $\sim W \wedge X$

b.

Z	Y	$\sim Z$	$\sim Y$	$\sim Z \wedge \sim Y$
T	T	F	F	F
F	F	T	T	T

3. Make a truth table for the statement:
 $\sim Y \wedge Z$

c.

U	V	$\sim U$	$\wedge V$
T	F	F	F
F	F	T	F

4. Make a truth table for the statement:
 $\sim S \wedge \sim T$

d.

W	X	$\sim W$	$\wedge X$
F	T	T	T
T	F	F	F

5. Make a truth table for the statement:
 $\sim Z \wedge \sim Y$

e.

Y	Z	$\sim Y$	$\wedge Z$
T	T	F	F
T	T	F	F

6. Make a truth table for the statement:
 $\sim M \wedge \sim L$

f.

S	T	$\sim S$	$\sim T$	$\sim S \wedge \sim L$
T	T	F	F	F
F	F	T	T	T

7. Make a truth table for the statement:
 $\sim P \wedge \sim Q$

g.

P	Q	$\sim P$	$\sim Q$	$\sim P \wedge \sim Q$
T	T	F	F	T
F	F	T	T	T

