

## Complete the Truth Table - Matching Worksheet

Write the letter of the answer that matches the problem.

1. Complete the truth table for:  $A \wedge \sim B$

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A	B	$\sim B$	$A \wedge (\sim B)$
T	F		T
F		F	F

a.

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

2. Complete the truth table for:  $\sim X \wedge Y$

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X	Y	$\sim X$	$\sim X \wedge Y$
F	T	T	
		F	T

b.

A	B	$\sim B$	$A \wedge (\sim B)$
T	F	T	T
F	T	F	F

3. Complete the truth table for:  $W \wedge \sim X$

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W	X	$\sim X$	$W \wedge (\sim X)$
T	T		
		T	T

c.

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

4. Complete the truth table for:  $\sim T \wedge U$

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

d.

X	Y	$\sim X$	$\sim X \wedge Y$
F	T	T	T
T	T	F	F

