

## Study Unit 10

### Activity 10-5

Prove by means of truth tables that  $\neg (p \vee q) \equiv (\neg p) \wedge (\neg q)$ .

<b>p</b>	<b>q</b>	<b><math>\neg p</math></b>	<b><math>\neg q</math></b>	<b><math>p \vee q</math></b>	<b><math>\neg (p \vee q)</math></b>	<b><math>(\neg p) \wedge (\neg q)</math></b>
T	T	F	F	T	F	F
T	F	F	T	T	F	F
F	T	T	F	T	F	F
F	F	T	T	F	T	T