

Worksheet Exercise 2.10.B.

The rules C.P. and I.P.

Name _____

Class _____ Date _____

Part B. Give deductions for the following arguments, using the rules C.P. and I.P. These are more difficult.

1. $(P \vee Q) \supset \sim R$ Prem (#1)
2. $S \supset (\sim U \ \& \ \sim W)$ Prem
3. $M \supset (R \ \& \ U)$ Prem
 $\therefore (P \vee S) \supset \sim M$

1. $\sim[A \ \& \ (B \vee C)]$ Prem (#2)
2. $D \supset B$ Prem
3. $E \supset C$ Prem
 $\therefore \sim[A \ \& \ (D \vee E)]$

1. $(P \vee Q) \supset (R \ \& \ S)$ Prem (#3)
2. $(T \vee U) \supset (U \ \& \ W)$ Prem
 $\therefore (P \vee T) \supset (R \vee W)$

1. $A \vee B$ Prem (#4)
2. $\sim A \vee \sim B$ Prem
 $\therefore \sim(A \equiv B)$
