

Name: _____

Arguments Practice

For each argument below, completely write out its truth table and determine whether it is valid or invalid.

1. $A \vee B$
 $B \quad \therefore A$

2. $A \supset B$
 $B \cdot C \quad \therefore C$

3. $Q \equiv P$
 $R \cdot Q \quad \therefore P$

4. $H \vee J$
 $J \supset H$
 $\sim J \quad \therefore H$

5. $A \vee B$
 $B \cdot C$
 $C \quad \therefore A \supset B$

6. $J \cdot K$
 $L \supset K \quad \therefore L \supset J$

$$\begin{array}{l}
 7. \quad Q \vee P \\
 \quad P \supset Q \\
 \quad \sim P \quad \therefore Q \supset P
 \end{array}$$

$$\begin{array}{l}
 8. \quad C \supset A \\
 \quad A \cdot B \quad \therefore B \cdot C
 \end{array}$$

$$\begin{array}{l}
 9. \quad A \supset B \\
 \quad B \supset A \quad \therefore A \equiv B
 \end{array}$$

10. $A \vee (B \vee C)$
 $A \equiv B$
 $\sim A \quad \therefore C \vee B$

11. $H \cdot (K \vee L)$
 $H \supset \sim K \quad \therefore L$

12. $A \cdot B$
 $B \supset C$
 $A \quad \therefore C \supset A$