

PHIL 110 - SAN FRANCISCO STATE UNIVERSITY
PROPOSITIONAL LOGIC, PART 3 QUIZ—TRUTH TABLES

NAME: Type Name Here

Instructions: download this document to a location easily accessible on your computer or the cloud. Complete each and all of the truth tables, and upload this document to iLearn by **11:55pm on Sunday, March 12th**. **Only Microsoft Word documents and Adobe PDF files will be accepted.**

1 TRUTH TABLES FOR ARGUMENTS (1 POINT EACH)

Use truth tables to determine if the arguments in 1-5 are either valid or invalid. Please use the inserted tables below to complete the truth tables. If the argument is invalid, please identify the row that violates the validity definition (e.g., “Invalid, 2nd row”).

- $$\begin{array}{l} (1) \quad 1. B \vee M \\ \quad \quad 2. B \vee \sim K \\ \hline \quad \quad 3. (K \vee \sim M) \rightarrow B \end{array}$$

[illegible]

- $$(2) \quad \frac{1. S \rightarrow (N \vee H) \quad 2. S \vee \sim N}{3. S \rightarrow H}$$

[illegible]

3. $S \rightarrow I$

[illegible]

3. $K \rightarrow H$

[illegible]

3. $\sim (W \vee V)$

[illegible]