

Unit 2 Math Liberal Arts Project – Rubric

Total Points: 100

Criteria	Excellent	Proficient	Developing	Needs Improvement
Completion of All Questions (20 points)	20 pts: All questions (1–6 and subparts) are fully answered.	15 pts: 1–2 questions or subparts are incomplete or missing.	10 pts: 3–4 questions or subparts are incomplete or missing.	5 pts: More than 4 questions or subparts are incomplete.
Accuracy of Answers (30 points)	30 pts: All answers are correct and show a deep understanding of logic concepts.	25 pts: Most answers are correct with only minor mistakes.	15 pts: Several incorrect answers that indicate partial understanding.	5 pts: Many incorrect answers with major misconceptions.
Explanations and Justifications (20 points)	20 pts: All responses include clear explanations, reasoning, and justifications for truth values and logic arguments.	15 pts: Most responses include logical explanations with minor gaps.	10 pts: Some responses lack explanations or are unclear.	5 pts: Minimal attempt at explanations; reasoning is confusing or incomplete.
Construction of Truth Tables (20 points)	20 pts: Truth tables are correctly constructed, complete, and clearly presented.	15 pts: Truth tables are mostly correct with minor errors.	10 pts: Truth tables contain multiple errors or are incomplete.	5 pts: Truth tables are poorly constructed or mostly incorrect.
Presentation and Formatting (10 points)	10 pts: Work is neat, logically organized, and submitted as instructed (Word or PDF).	8 pts: Minor formatting or organizational issues.	5 pts: Several formatting issues but still readable.	2 pts: Work is poorly organized or hard to follow.