Unit 1 Math Liberal Arts Project – Rubric

Total Points: 100

Criteria	Excellent	Proficient	Developing	Needs Improvement
Completion of All Questions (20 points)	20 pts: All questions (1–3 and subparts) are answered completely.	15 pts: 1–2 parts are incomplete or missing.	10 pts: 3–4 parts are incomplete or missing.	5 pts: More than 4 parts are incomplete.
Accuracy of Answers (30 points)	30 pts: All answers are correct and demonstrate mastery of set theory concepts.	25 pts: Most answers are correct with only minor errors.	15 pts: Multiple incorrect answers that reflect partial understanding.	5 pts: Many incorrect answers with significant misunderstandings.
Calculations and Justifications (20 points)	20 pts: All set operations, calculations, and justifications are shown clearly and are accurate.	15 pts: Most steps and justifications are provided but with some gaps or minor errors.	10 pts: Several questions lack clear steps or correct calculations.	5 pts: Minimal attempt at showing work; steps are unclear.
Application of Set Operations (20 points)	20 pts: Set operations (union, intersection, complement, etc.) are applied correctly and thoroughly.	15 pts: Most operations are applied correctly with some explanation missing.	10 pts: Partial understanding or errors in multiple set operations.	5 pts: Most set operations are incorrect or incomplete.
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 work is readable.	2 pts: Work is poorly organized and difficult to follow.