

Unit 1: Functions, Inequalities, and Systems — Business Model Project

Criteria	4 – Excellent	3 – Good	2 – Fair	1 – Poor	0 – Missing
Equations & Functions	Revenue and cost equations fully correct, clear variables defined, realistic domains	Equations mostly correct; minor variable or notation errors	Attempt made but missing one function or domain	Equations incorrect or incomplete	None provided
Inequalities & Constraints	Inequalities accurately model constraints (budget, resources, customers); graphed correctly	Most inequalities correct, one error in setup or graph	Attempted but missing major constraint or inaccurate graph	Incorrect inequalities with little connection to scenario	None
Graphing & Systems	Graph neat, feasible region shaded, corner points tested, solution clearly identified	Graph mostly accurate; minor shading or corner analysis errors	Graph present but incomplete (missing shading or interpretation)	Graph messy/unreadable	None
Interpretation	Break-even points, max/min values clearly explained in business context	Interpretation present but somewhat vague	Partial explanation; some results misinterpreted	Minimal explanation, little connection to scenario	None
Presentation & Creativity	Neat, organized, visually clear; original and creative business idea	Clear but lacks originality/creativity	Somewhat messy or plain	Barely complete or sloppy	None