

Optimization Project

Student Name(s): _____

CATEGORY	4	3	2	1
Mathematical Errors: Boxed Good	90-100% of the steps and solutions have no mathematical errors.	Almost all (85-89%) of the steps and solutions have no mathematical errors.	Most (75-84%) of the steps and solutions have no mathematical errors.	More than 75% of the steps and solutions have mathematical errors.
Mathematical Errors: Canned Good	90-100% of the steps and solutions have no mathematical errors.	Almost all (85-89%) of the steps and solutions have no mathematical errors.	Most (75-84%) of the steps and solutions have no mathematical errors.	More than 75% of the steps and solutions have mathematical errors.
Explanation	Explanation is detailed and clear.	Explanation is clear.	Explanation is a little difficult to understand, but includes critical components.	Explanation is difficult to understand and is missing several components OR was not included.
Mathematical Concepts	Explanation shows complete understanding of the mathematical concepts used to solve	Explanation shows substantial understanding of the mathematical concepts used to solve	Explanation shows some understanding of the mathematical concepts needed to solve the problem(s).	Explanation shows very limited understanding of the underlying concepts needed to solve the
Spelling and Grammar	There are fewer than five grammatical and/or spelling errors.	There are fewer than ten grammatical and/or spelling errors.	There are fewer than fifteen grammatical and/or spelling errors.	There are fewer than twenty grammatical and/or spelling errors.
Neatness and Organization	The work is presented in a neat, clear, organized fashion that is easy to read.	The work is presented in a neat and organized fashion that is usually easy to read.	The work is presented in an organized fashion but may be hard to read at times.	The work appears sloppy and unorganized. It is hard to know what information goes
Packaging Dimensions	The packaging is exactly the dimensions specified within the report.	The packaging is within a half-inch of the dimensions specified within the report.	The packaging is a scale model of the dimensions specified within the report.	The packaging is the correct shape.
Packaging Design	The design is visually stimulating, easy to read, and appropriate.	The design is visually pleasing, usually easy to read, and appropriate.	The design is presented in an organized fashion, may be hard to read at times and	The design appears sloppy, without pre-planning.