

COOKIES PORTFOLIO

COVER LETTER FOR COOKIES

1. Cover Letter Introduction (32 pts)

a. Identify and describe the central problem of the unit

0 – No central problem or inappropriate central problem identified or described

1 – Limited, vague, or only somewhat appropriate central problem identified with no in-depth description provided

2 – Limited, vague central problem identified with a minimal description

4- Satisfactory central problem identified with adequate description and minimal reference to specific unit examples

8 – Excellent description of central problem with extensive reference to specific unit examples

b. Describe the main mathematical ideas of the unit

0 – No key ideas identified or described

1 – Limited, vague description of 2-3 key ideas or 1 satisfactory description of a key idea

2 – Limited, vague description of 4-5 key ideas or a satisfactory descriptions of 2 key ideas

4 – Satisfactory description of 3-4 key ideas with minimal reference to specific unit examples

8 – Excellent description of 5-6 key ideas with extensive reference to specific unit examples

c. Describe how the key ideas were developed in the unit

0 – No description of development

1 – Limited, vague description of how key ideas were developed with no specific examples

2 – Limited, vague description of how the key ideas were developed with minimal examples

4 – Satisfactory description of how the key ideas were developed with adequate examples

8 – Excellent description of how the key ideas were developed with appropriate and well-stated examples

d. Describe how the key ideas were used to solve the central problem

0 – No description provided

1 – Limited, vague description of how the key ideas were used to solve the central problem with no reference to specific examples

2 – Limited, vague description of how the key ideas were used to solve the central problem, with minimal reference to specific examples

4 – Satisfactory description of the how the key ideas were used to solve the central problem with several references to specific examples

8 – Complete and thorough description of the key ideas were used to solve the central problem with extensive reference to specific examples

2. Explanation for Selected Papers (24 pts)

a. Describe how the selected papers helped you to understand the particular steps of linear programming (HW 23)

- 0 – No paper(s) selected
- 1- Limited, incomplete, or vague description of how selected paper(s) show you understand the particular steps of linear programming with no specific references to paper(s) selected
- 2- A fair description of how selected papers show you understand the particular steps of linear programming, but description lacks depth and there is little reference to selected paper(s)
- 4- A good description of how selected paper(s) show you understand the particular steps of linear programming, with some specific references made to selected paper(s)
- 8- A complete and thorough description showing how you understand the particular steps of linear programming, and there are extensive references to material in the selected papers

b. Describe how selected papers used a problem situation that could be solved using a system of linear equations and explain how the algebraic representation of the problem using linear equations helped you solve the problem (HW 26)

- 0 – No paper(s) selected
- 1- Limited, incomplete, or vague description of how selected paper(s) used algebraic representations of problem to help you solve it using a system of linear equations and with no specific references to paper(s) selected
- 2- A fair description of how selected papers used algebraic representations of problem to help you solve it using a system of linear equations, but description lacks depth and there is little reference to selected paper(s)
- 4- A good description of how selected papers used algebraic representations of problem to help you solve it using a system of linear equations, with some specific references made to selected paper(s)
- 8- A complete and thorough description of how selected papers used algebraic representations of problem to help you solve it using a system of linear equations, and there are extensive references to material in the selected papers

c. Describe why you selected the POW you included in your portfolio

- 0 – No POW selected
- 1 – A limited, incomplete, or vague description of why you selected the POW you included in the portfolio with no specific references to any information in the POW
- 2 – A fair description of why you selected the POW, but lacks depth and there is little reference to specific information in the POW
- 4 – A good description of why you selected the POW with some reference

- and explanation of specific information in the POW
- 8– A complete and thorough description of why you selected the POW, with extensive reference to information that is explained in detail

SELECTED PAPERS FROM SOLVE IT! (32 pts)

1. Homework 23: Beginning Portfolio Selection

- 0 – is not in portfolio
- 1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into the finished product
- 2 – in portfolio, is complete with minimal evidence of time and effort
- 3- in portfolio, is complete with satisfactory evidence of time and effort
- 4 – in portfolio, is complete with extensive evidence of time and effort

2. Homework 26: Continued Portfolio Selection

- 0 – is not in portfolio
- 1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into the finished product
- 2 – in portfolio, is complete with minimal evidence of time and effort
- 3- in portfolio, is complete with satisfactory evidence of time and effort
- 4 – in portfolio, is complete with extensive evidence of time and effort

3. A Selected POW

- 0 – is not in portfolio
- 1 – POW is in portfolio, but is incomplete or had a low overall self-assessment and does not show evidence of a considerable amount of time or effort
- 2 – POW is in portfolio, is complete with minimal evidence of time and effort and a low overall self-assessment score
- 3- POW is in portfolio, is complete with satisfactory evidence of time and effort, however not all scoring areas rated high
- 4– POW is in portfolio is complete with extensive effort of time and effort and a high overall self-assessment

4. HW 17: A Reflection in Money

- 0 – is not in portfolio
- 1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into finding the solution and reflection on their methods
- 2 – in portfolio, is complete with minimal evidence of time and effort
- 3- in portfolio, is complete with satisfactory evidence of time and effort
- 4 – in portfolio, is complete with extensive evidence of time and effort

5. Get the Point

- 0 – is not in portfolio
- 1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into developing an algebraic method and witing general directions for using the method.
- 2 – in portfolio, is complete with minimal evidence of time and effort
- 3- in portfolio, is complete with satisfactory evidence of time and effort

4 – in portfolio, is complete with extensive evidence of time and effort

6. “How Many of Each Kind?” Revisited

0 – is not in portfolio

1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into utilizing all the information to find the “best answer” for the problem

2 – in portfolio, is complete with minimal evidence of time and effort

3- in portfolio, is complete with satisfactory evidence of time and effort

4 – in portfolio, is complete with extensive evidence of time and effort

7. Producing Programming Problems

0 – is not in portfolio

1 – in portfolio, but is incomplete or does not show evidence of a considerable amount of time and effort went into making up a linear programming problem that has two variables, with something that is maximized or minimized, with three or four constraints, a solution and proof there is no better solution

2 – in portfolio, is complete with minimal evidence of time and effort

3- in portfolio, is complete with satisfactory evidence of time and effort

4 – in portfolio, is complete with extensive evidence of time and effort

8. Other High Quality Work

0 – is not in portfolio

1- is in portfolio, but is of poor quality and does not support the concept of “best efforts” or have any reason for its addition to the portfolio

2 – is in portfolio, but is of limited quality with no definite reason for its addition to the portfolio

3 – is in portfolio and is of satisfactory quality with possible reasons for its addition to the portfolio

4 – is in portfolio and is of excellent quality with definite reasons for its addition to the portfolio

Personal Growth (8 pts)

1. Describe how you think you grown so far in the area of making presentations?

0 – N o description

1 – A limited and/or vague description with no supporting examples

2 – A limited description with few supporting examples

3 – A satisfactory description with several supporting examples, however examples tend to rather general

4 – A detailed description with many specific supporting examples

2. Describe any other thoughts about your experiences you want to share with the reader of your portfolio

0 – N o description

1 – A limited and/or vague description with no supporting examples

- 2 – A limited description with few supporting examples
- 3 – A satisfactory description with several supporting examples, however examples tend to rather general
- 4 – A detailed description with many specific supporting examples

SELF-ASSESSMENT OF PORTFOLIO (4 pts)

a. Grade and Justify your work using a self-assessment scoring rubric

- 0 – Work not graded with rubric
- 1 – Score values provide with no justification
- 2 - Score values provide with minimal rational and many/most values not acceptable based on scoring guide criteria
- 3 - Scores values provided with fair/good rationales, but some values not acceptable based on scoring guide criteria
- 4 - Score values provided with strong rationales, all values acceptable based on scoring guide criteria