

“ALL ABOUT ALICE” PORTFOLIO

COVER LETTER FOR ALL ABOUT ALICE

1. Cover Letter Introduction (36 pts)

a. Identify and describe the central theme of the unit

- 0 – No central problem or inappropriate central problem identified or described
- 2 – Limited, vague, or only somewhat appropriate central problem identified with no in-depth description provided
- 4 – Limited, vague central problem identified with a minimal description
- 8- Satisfactory central problem identified with adequate description and minimal reference to specific unit examples
- 12 – 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
- 2 – Limited, vague description of 2-3 key ideas or 1 satisfactory description of a key idea
- 4 – Limited, vague description of 4-5 key ideas or a satisfactory descriptions of 2 key ideas
- 8 – Satisfactory description of 3-4 key ideas with minimal reference to specific unit examples
- 12 – 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
- 2 – Limited, vague description of how key ideas were developed with no specific examples
- 4 – Limited, vague description of how the key ideas were developed with minimal examples
- 8 – Satisfactory description of how the key ideas were developed with adequate examples
- 12 – Excellent description of how the key ideas were developed with appropriate and well-stated examples

2. Explanation for Selected Papers (30 pts)

a. Describe how the selected papers used exponents to solve the problem

- 0 – No paper(s) selected
- 2- Limited, incomplete, or vague description of how selected paper show you understand how to use exponents to solve problems with no specific references to paper selected
- 4 -A fair description of how selected papers show you understand how to use exponents to solve problems, but description lacks depth and there is little reference to selected paper

- 8 -A good description of how selected paper show you understand how to use exponents to solve problems, with some specific references made to selected paper(s)
- 10 - complete and thorough description showing how you understand how to use exponents to solve problems, and there are extensive references to material in the selected paper

b. Describe how selected paper involved graphing

- 0 – No paper(s) selected
- 2 - Limited, incomplete, or vague description of how selected paper shows you understand how to set-up, label, and plot a graph, with no reference to selected paper
- 4- A fair description of how selected paper shows you understand how to set-up, label, and plot a graph, but description lacks depth and there is little reference to selected paper(s)
- 8-A good description of how selected paper(s) show you understand how to set-up, label, and plot a graph, with some specific references made to selected paper
- 10-A complete and thorough description showing you understand how to set-up, label, and plot a graph, and there are extensive references to material in the selected paper

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

- 0 – No POW selected
- 2 – 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
- 4 – A fair description of why you selected the POW, but lacks depth and there is little reference to specific information in the POW
- 8– A good description of why you selected the POW with some reference and explanation of specific information in the POW
- 10– 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! (20 pts)

1. Homework 17: An Exponential Portfolio

- 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 listing all the general laws of exponents and giving explanations
- 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. All Roads Lead to Rome

- 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 solutions and explaining it with the different possible 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

3. A selected paper that demonstrates how you used exponents to solve the problem

- 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

4. A selected paper that demonstrated how you graphed data from a problem

- 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

5. A Selected POW

- 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

Personal Growth (10 pts)

1. Describe how you think you have grown mathematically over your second of IMP?

- 0 – No description
- 1 – A limited and/or vague description with no supporting examples
- 2 – A limited description with few supporting examples
- 4 – A satisfactory description with several supporting examples, however examples tend to rather general
- 6 – 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 – No 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 rationale 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