

# SCORING GUIDE “Is There Really a Difference!” PORTFOLIO

<b>1. Cover Letter Introduction (20 pts)</b>	<b>MAX SCORE</b>
a. Identify and describe the main mathematical ideas 8	8
b. Describe how the key ideas were developed 8	8
c. Description of how ALL the key ideas were needed to answer the unit question “Is There Really a Difference?” 4	4
<b>2. Explanation for Selected Papers (40 pts)</b>	
a. Describe how your selected paper(s) demonstrated how the $\chi^2$ statistic was helpful in making a decision 8	8
b. Describe how your selected paper(s) demonstrated how the $\chi^2$ statistic was not helpful in making a decision 8	8
c. Describe how your selected paper(s) demonstrated the kind of situations in which you felt the $\chi^2$ statistic was most useful in decision making 8	8
d. Describe why you selected the POW you included in your portfolio 8	8
e. Describe how the additional work you included demonstrates your best efforts 8	8
<b>3. SELECTED PAPERS FROM SOLVE IT! (24 pts)</b>	
a. Two Different Differences Revisited 4	4
b. Homework 25: Beginning Portfolio Selection 4	4
c. POW 6: Is There Really a Difference 4	4
e. Another Selected POW 4	4
f. Other High Quality Work 4	4
<b>4. The role of the POW Project (20 pts)</b>	
a. Describe the project’s role in helping you understand the mathematical ideas of the unit 4	4
b. Describe the project’s role in giving you an appreciation for the usefulness or significance of the unit 4	4
c. Describe any experiences of working with a partner on an extended project 4	4
d. Describe any other thoughts about your experiences you want to share about working on a project 4	4
<b>5. SELF-ASSESSMENT OF PORTFOLIO (4 pts)</b>	
a. Grade and Justify your work using a self-assessment scoring rubric 4	4
<b>TOTAL SCORE</b>	<b>100</b>