

Math 1513 - College Algebra

Written Assignment 7 - Due 2019.10.13

Directions: Please answer the following question in complete sentences and show ALL work. Be sure to label all geometric objects in any illustrations. I will accept an answer in a scanned image format, as a pdf, or sent from your awesome picture phone. Do NOT send a Microsoft Word document, and be sure to submit your work through BlackBoard.

Problem: Use the power property of logarithms to compare the numbers 800^{801} and 801^{800} . Which is larger? Similarly, of the two numbers $\frac{1}{999^{1000}}$ and $\frac{1}{1000^{999}}$, which is smaller?