

Math 1513 - College Algebra

Written Assignment 7 - Due 2017.07.23

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Question: Use the power property of logarithms to compare the numbers 600^{601} and 601^{600} . Which is larger? Similarly, of the two numbers $\frac{1}{99^{100}}$ and $\frac{1}{100^{99}}$, which is smaller?