MATH 120 Class Prep
Day 21

Complete the following items before class and bring your work to class. Your instructor will be checking for completion and effort. You may work with other students on this activity. You are responsible for your understanding of the ideas you present as your own work.

1. Compute $\displaystyle\sum_{n=1}^{10} n^8 - \sum_{n=1}^{9} n^8.$ (Video 4.4A)

2. Write $\displaystyle\prod_{i=1}^{n} (i^2)^2$ without using product notation. (Video 4.4B)

3. Convert $\displaystyle\ln\left(\prod_{n=15}^{30} (n^2 + 1) \right)$ into an expression involving sigma notation. (Video 4.4C)