

Quiz 3b Calculus 2 3/4/2005

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Write the first 4 partial sums for the series $\sum_{n=1}^{\infty} \frac{3}{n^3}$, approximated to the nearest thousandth.

2. Evaluate $\sum_{n=1}^{\infty} \frac{2}{5^n}$.