

Quiz 3 Calculus 2 11/9/2007

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

1. Find the sum of the geometric series $2 - \frac{4}{5} + \frac{8}{25} - \frac{16}{125} + \frac{32}{625} - \dots$.

2. Find the first 4 partial sums of the series $\sum_{n=1}^{\infty} \frac{1}{n^2 - 2n + 3}$.