

Quiz 6 Calculus 2 11/8/2006

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

1. Find the 3rd partial sum of the series $\sum_{n=1}^{\infty} \frac{1}{3^n}$ correct to the nearest hundredth.

2. Find the exact value of the sum of the series $3 + \frac{3}{2} + \frac{3}{4} + \frac{3}{8} + \frac{3}{16} + \dots$.