

Quiz 5 Calculus 1 11/21/2005

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

1. Determine whether the series $\sum_{n=2}^{\infty} \frac{(-1)^{n+1}}{n \ln n}$ converges or diverges.

2. Determine whether the series $\sum_{n=1}^{\infty} \frac{1}{(2n)!}$ converges or diverges.