

QUIZ 10

Name _____

1. Decide whether or not the series $5 - 10 + 20 - 40 + 80 - \dots$ is a geometric series. Explain.

2. Find the sum of the (finite) series $3 + 3/2 + 3/4 + 3/8 + \dots + 3/2^{33}$

3. Does the series $\sum_{n=1}^{\infty} \frac{n+1}{n^2+2n+2}$ converge or diverge?