

LAST NAME:

FIRST NAME:

MATH 009C - Summer 2017

Quiz 6: August 1, 2017

1. Determine if the series is absolutely convergent, conditionally convergent, or divergent.

$$\sum_{n=1}^{\infty} \frac{(2n)!}{2^n (n!)}$$

Please, show all work.

2. Determine if the series is absolutely convergent, conditionally convergent, or divergent.

$$\sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{\ln(n)}$$

Please, show all work.