

LAST NAME:

FIRST NAME:

---

**Math 65B - Summer 2016**

Quiz 10: Thursday July 14, 2016

---

1. (1 point) Determine whether the series converges or diverges.

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

---

Please, show all work.

2. (1 point) Determine whether the series converges or diverges.

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

---

Please, show all work.