

Math 199 CD3 Merit Worksheet 13: Series

March 8, 2022

Determine if the following series converge or diverge

1.

$$\sum \frac{x^n}{n!}$$

2.

$$\sum n!x^n$$

3.

$$\sum \frac{2}{3+5n}$$

4.

$$\sum \frac{n^2}{n^3+1}$$