

Name:

Section: 11 12 13

Determine if the following series converge absolutely, converge conditionally, or diverge. You may use any test, clearly state which tests you are using.

1.
$$\sum_{n=1}^{\infty} (-1)^n \frac{3^n}{n!}$$

2.
$$\sum_{n=1}^{\infty} (-1)^n \frac{1}{n^{1/3}}$$