

11.3 - Integral Test

Calculus II

Determine if the series converges or diverges

1. $\sum_{n=0}^{\infty} \frac{2}{3+5n}$

2. $\sum_{n=2}^{\infty} \frac{1}{(2n+7)^3}$

3. $\sum_{n=1}^{\infty} ne^{-n^2}$

4. $\sum_{n=1}^{\infty} \frac{1}{3\sqrt{n^5}}$

5. $\sum_{n=2}^{\infty} \frac{1}{n \ln x}$