

Quiz 6

Determine whether the following series converges or diverges.

a)
$$\sum_{n=1}^{+\infty} \frac{3n^2}{5n^5 + n^3 + 2n + 1}$$

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

Explain your answer.