

Family name:

Sr. #

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Q1) Test the series for convergence or divergence.

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

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

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iii. 
$$\sum_{n=0}^{\infty} \frac{n!}{2 \cdot 5 \cdot 8 \cdot \dots \cdot (3n+2)}$$