

King Fahd University of Petroleum and Minerals
Math. & Stat. Department
142-Math 102 Quiz (6)

Name	ID	SEC 21
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Q1) Determine if $\sum_{n=1}^{\infty} (-1)^n \frac{(n!)^3}{(3n+1)!}$ converges absolutely, converges conditionally or diverges.

Q2) Find the interval of convergence of the series $\sum_{n=1}^{\infty} \frac{(5x-1)^n}{(n+1)5^n}$.