

Math 142
No Work-No Credit

Quiz 10

F09

Name
Last 4 digits

Find the radius of convergence, R and the interval of convergence, I of the series. Give a summary specifying convergence or divergence for all values of x , with absolute convergence and conditional convergence mentioned where they apply.

$$\frac{3}{1 \cdot 2} - \frac{4}{2 \cdot 3} \cdot \frac{x}{2} + \frac{5}{3 \cdot 4} \cdot \frac{x^2}{2^2} - \frac{6}{4 \cdot 5} \cdot \frac{x^3}{2^3} + \dots$$