

UM 101: QUIZ 4

Nov. 17, 2022

**Duration.** 15 minutes

**Name.**

**Maximum score.** 10 points

**Tutorial section.**

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*Instructions.* You may use without proof any examples or convergence tests stated in class. You will lose points if you don't state what you are using, or use tests not discussed in class.

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**Problem.** Determine whether the following series converges or diverges. You need not compute the sum in the case of convergence.

$$\sum_{n=5}^{\infty} \frac{\sqrt{n} + 1}{(n-1)(n+2)(n-4)}.$$