

# QUIZ 8

Time: 10min

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1. Evaluate

$$\int_{-1}^3 \frac{1}{x^3} dx$$

2. Find an explicit formula for the general term of the following sequence and determine whether or not it converges:

$$-1, \frac{2}{3}, -\frac{3}{5}, \frac{4}{7}, -\frac{5}{9}, \dots$$