

# QUIZ 9

Time: 15min

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1. Determine whether the series is convergent or divergent:

a)

$$\frac{4}{7} - \frac{4}{8} + \frac{4}{9} - \frac{4}{10} + \cdots,$$

b)

$$\sum_{i=1}^{\infty} \frac{n!}{(-10)^n}.$$

*Each part is worth 5 points.*