

2020 SPRING CALCULUS 0412: QUIZ 3 (MARCH 23, 2020)

NAME:

STUDENTS ID:

1. (5 points) For what value of p does the series $\sum_{n=2}^{\infty} \frac{1}{n^p \ln n}$ converge?

2. (5 points) For which positive integer k is the following series $\sum_{n=1}^{\infty} \frac{(n!)^2}{(kn)!}$ convergent?