2020 SPRING CALCULUS 0412: QUIZ 2 (MARCH 19, 2020)

NAME: STUDENTS ID:

1. (5 points) For what value of r is the sequence $\{nr^n\}$ convergent?

2. (5 points) Suppose that $\sum_{n=1}^{\infty} a_n$ converges ($a_n \neq 0$ for all n). Prove that $\sum_{n=1}^{\infty} \frac{1}{a_n}$ diverges.