

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find the values of p for which the series $\sum_{n=2}^{+\infty} \frac{1}{n(Lnn)^p}$ is convergent (**show all your steps**)

Exercise 2 (5 points)

Determine whether the series $\sum_{n=1}^{+\infty} \frac{1}{1 + \frac{1}{n}}$ is convergent or divergent (**show all your steps**)

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Determine whether the series $\sum_{n=0}^{+\infty} \frac{1 + \sin n}{10^n}$ is convergent or divergent (**show all your steps**)

Exercise 2 (5 points)

Determine whether the series $\sum_{n=1}^{+\infty} (-1)^{n-1} \frac{Lnn}{n}$ is convergent or divergent (**show all your steps**)

