

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find the radius and the interval of convergence of the power series $\sum_{n=1}^{\infty} \frac{(x-1)^n}{3^n}$

Exercise 2 (5points)

Find the sum of the series $\sum_{n=1}^{\infty} \frac{(-1)^n}{2^n n}$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find the radius and the interval of convergence of the power series $\sum_{n=1}^{\infty} \frac{(x-3)^n}{2^n}$

Exercise 2 (5 points)

Find the sum of the series $\sum_{n=1}^{\infty} \frac{(-1)^n}{3^n n}$