MA 182 GROUP WORK (8.5)
NAME

1. Find the radius and interval of convergence of the series
A. $\quad \sum_{n=0}^{\infty} \frac{x^{n}}{n 3^{n}}$
B. $\quad \sum_{n=0}^{\infty}(-1)^{n} \frac{x^{2 n}}{(2 n)!}$
2. Suppose that $\sum_{n=0}^{\infty} c_{n} x^{n}$ converges when $x=-4$ and diverges when $x=6$. Which of the following series converge?
A. $\quad \sum_{n=0}^{\infty} c_{n}$
B. $\quad \sum_{n=0}^{\infty} c_{n} 8^{n}$
C. $\quad \sum_{n=0}^{\infty} c_{n}(-3)^{n}$
D. $\quad \sum_{n=0}^{\infty}(-1)^{n} c_{n} 9^{n}$
