

# Quiz 5, Calculus 2

Name: \_\_\_\_\_

Determine whether each series is convergent or divergent. Explain your reasoning and state which test you use!

1. (4 points)  $\sum_{n=1}^{\infty} (-1)^n \frac{4n+1}{3n-1}$

2. (3 points)  $\sum_{n=1}^{\infty} \frac{2 + (-1)^n}{n\sqrt{n}}$

3. (3 points)  $\sum_{n=1}^{\infty} \frac{(-10)^n}{n!}$