

Quiz 3

Name: _____

Answer all questions in a clear and concise manner. Unsupported answers will receive *no credit*.

1. Consider the infinite series $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{n}{2n-1}$.

(a) What are the first three terms of the series?

(b) What are the first three partial sums?

(c) Does the series converge or diverge?