Quiz 3

Name: _____

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

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

   (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?