

## Section 11.2 Worksheet: Series

1. What's the big idea behind the notion of series? What are we up to here?
2. Archimedes appears again: what's he up to this time?
3. What is the idea behind a "telescoping series": why did they choose that name?
4. There are two intertwined ideas going on here at the same time: series and sequence. How do the two intermingle? From a sequence we define a series, and from a series we often define a sequence. Show how.