

Reading Quiz #8

姓名：_____ 系級：_____ 學號：_____ 分數：_____

Read Section 5.1(pages 315-325) and answer the following problems.

Determine a region whose area is equal to the given limit. Do not evaluate the limit.

1.
$$\lim_{n \rightarrow \infty} \sum_{i=1}^n \frac{2}{n} \left(5 + \frac{2i}{n} \right)^{10}$$

2.
$$\lim_{n \rightarrow \infty} \sum_{i=1}^n \frac{\pi}{4n} \tan \frac{i\pi}{4n}$$