

Reading Quiz #13

姓名：_____ 系級：_____ 學號：_____ 分數：_____

Read Section 6.5(pages 402-405), Section 9.1(pages 583-588) and answer the following problems.

1. Find the average value of the function $f(x) = \cos^4 x \sin x$ on the interval $[0, \pi]$.

2. Find the length of the curve $y = \frac{x^3}{6} + \frac{1}{2x}$, $\frac{1}{2} \leq x \leq 1$.