Name: _____

Student ID: _____

Quiz 9

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. *(5 marks)* §7.2 #5 Find the volume of the solid obtained from the region bounded by the graphs of $y = x^3$, $y = x$, $0 \leq x$, rotated about the *x*-axis.

Question 2. *(5 marks)* §7.3 #25 Set up the integral to find the volume of the solid obtained from the region bounded by the graphs of $x = \sqrt{\sin x}$, $x = 0$ and $0 \leq y \leq \pi$, rotated about the line $y = 4$.