Name: _____

Student ID: _____

Quiz 8

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)* §7.1 #14
Sketch the region enclosed by the given curves. Then find the area of the region.

$$y = \sin x, \ y = \frac{2}{\pi}x, \ x \geq 0$$

Question 2. *(5 marks)* §7.2 #12
Find the volume of the solid obtained by rotating the region bounded by the given curves about the specified line.

$$y = x, \ y = \sqrt{x}; \text{ about x=2}$$