Name: _____

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 #17 Sketch the region enclosed by the given curves and find its area.

$$y = \cos \pi x, \quad y = 4x^2 - 1$$

Question 2. *(5 marks)* §7.4 #16 Find the exact length of the curve.

$$y = \sqrt{x - x^2} + \arcsin(\sqrt{x})$$