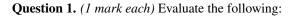
Name: Student ID:

Quiz 2

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.



 $\int \frac{1}{x^{2/5}} dx$ $\int \sec x \, dx$ $\int \cot x \, dx$ $\int \frac{1}{x\sqrt{x^2 - 5}} \, dx$ $\int \frac{1}{\sqrt{\pi - x^2}} \, dx$

f.

a.

b.

c.

d.

e.

$$\int \sin x \, dx$$

Question 2. (4 marks) §4.7 #30 Find a function f such that $f'(x) = x^3$ and the line x + y = 0 is tangent to the graph of f.