Dawson College: Calculus II (SCIENCE): 201-NYB-05-S3: Winter 2023: Quiz 6	name:

Books, watches, notes or cell phones are not allowed. The only calculators allowed are the Sharp EL-531**. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work.

Question 1. (5 marks) Evaluate the integral

$$\int_{\pi/4}^{\pi/2} \cot^3 x \, dx$$

Question 2. (5 marks) Evaluate the integral

$$\int \frac{x^2}{(3+4x-4x^2)^{3/2}} \, dx$$