

Name: _____ Section: _____

Answer all questions and show your work. Unsupported answers may receive *no credit*. You may not use a calculator on this quiz. Allow 15 minutes for the quiz.

1. (5 points) Evaluate the integral $\int_0^{\pi/2} \cos^3(x) dx$.

2. (5 points) Evaluate the anti-derivative $\int \sqrt{4-x^2} dx$. Simplify your answer so that it does not contain any trigonometric functions. (Your answer may contain inverse trigonometric functions.)