

Name: _____

Math 232 Quiz 2

1. (20 pts) Evaluate the integral.

(a) $\int_0^{\pi} \sin^2 x dx$

(b) $\int x^3 \sqrt{1-x^2} dx$

(c) $\int \frac{\sqrt{x^2 - 1}}{2x} dx$

(d) $\int \frac{1}{\sqrt{x^2 + 9}} dx$