
Name: _____

QUIZ 12

MATH 200, SECTION 9
May 5, 2021

1. Use the fundamental theorem of calculus to find the definite integrals.

(a) $\int_{-\pi/2}^{\pi/2} \cos(x) \, dx =$

(b) $\int_0^1 (1 + x^2) \, dx =$

(c) $\int_{-1}^1 \frac{1}{\sqrt{1-x^2}} \, dx =$

2. Find $\int \frac{4x}{2x^2 + 3} \, dx$