

MATH 2300-015 QUIZ 2

Name: \_\_\_\_\_

1.  $\int_0^{\pi/3} \sin^2 x \cos^3 x dx$

2.  $\int \tan^3 x \sec^2 x dx$

3.  $\int \cos^2 x \sin^2 x dx$

4.  $\int_{\sqrt{2}}^2 \frac{dt}{t^4 \sqrt{t^2 - 1}}$

5.  $\int y^2 \sqrt{1 - y^2} dy$