

Math 2B Worksheet: 7.2 Trigonometric Integrals

Write your names and Student ID numbers at the top of the page

Evaluate the following integrals: you may need a substitution or integration by parts...

1. $\int \sin^3 \theta \cos^4 \theta \, d\theta$

2. $\int \sin^2 x \cos^4 x \, dx$

3. $\int \sin^2 x \cos^5 x \, dx$

4. $\int \tan^5 x \sec^3 x \, dx$

5. $\int \tan^2 \theta + \tan^4 \theta \, d\theta$

6. $\int x \sec x \tan x \, dx$