

Homework Set 10

(sect 6.4: Integration with Tables)

Use the Table of Integrals found at the back of your textbook (or on the class website) and an appropriate u-substitution to evaluate the given integral. State which rule you used.

1. $\int_0^1 2x \cos^{-1} x \, dx$

2. $\int \frac{dx}{x^2 \sqrt{4x^2 + 9}}$

3. $\int \sin^2 x \cos x \ln(\sin x) \, dx$