

Calculus AB

4-5

(Day 2)

Integration by Substitution

Find the indefinite integral. (pg 307)

$$50) \int \cos 8x \, dx$$

$$56) \int \sqrt{\tan x} \sec^2 x \, dx$$

$$58) \int \frac{\sin x}{\cos^3 x} \, dx$$

$$68) \int x\sqrt{4x+1} \, dx$$

Evaluate the definite integral.

$$80) \int_0^2 \frac{x}{\sqrt{1+2x^2}} \, dx$$

Assignment:

Day 2

Pg. 297

47-85 odd

Day 3

Pg. 299

87-101 odd, 114