

MATH 220: CALCULUS I  
WORKSHEET 19  
APRIL 2, 2013

1. If possible, evaluate  $\int_0^\pi \tan x \sec x \, dx$ .

2. If possible, evaluate  $\int_{-1}^1 e^{2x} \, dx$ .

3. Find  $\int \left( x^2 + 1 + \frac{1}{x^2 + 1} \right) dx$ .

4. If  $w'(t)$  is the change in my (Tom's) weight in pounds per year, then what does  $\int_{25}^{26} w'(t) dt$  represent?

5. If possible, evaluate  $\int_0^2 |2x - 1| dx$ .