MAT132, Paper Homework 2

due in recitation on 9/19, 9/20, or 9/21

- 1. Calculate the indefinite integral $\int \frac{2x}{(x+3)(3x+1)}$.
- 2. Use the substitution $u = \tan x$ to evaluate the integral $\int \tan^4 x \sec^6 x \, dx$.