

## 408L CLASS PROBLEMS

FEBRUARY 28TH, 2020

*Problem 1.* Find  $\int \frac{2x+5}{x^2+5x+6} dx$ .

*Problem 2.* Find  $\int \frac{x+4}{x^2-x-2} dx$ .

*Problem 3.* Find  $\int \frac{dx}{x^2+6x+9}$ .

*Problem 4.* Find  $\int \frac{x^2}{x^2-1} dx$ .

*Problem 5.* Find  $\int \frac{x^2+1}{x^2+2x+2} dx$ .