

## 408L CLASS PROBLEMS

FEBRUARY 26TH, 2020

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

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

*Problem 3.* Find  $\int \frac{x dx}{x^2-4x+4}$ .

*Problem 4.* Find  $\int \frac{x^3+3x+1}{x^2-3x+2}dx$ .