# 408L CLASS PROBLEMS

FEBRUARY 12TH, 2020

*Problem* 1. Find $\int x^2 \cos(2x) dx$.

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

*Problem* 3. Find $\int \log(x) dx$.

*Problem* 4. Find $\int e^x \sin(x) dx$.