408L CLASS PROBLEMS

MARCH 2ND, 2020

Problem 1. Find $\int \frac{x^2-9}{x^2-1}dx$.

Problem 2. Find $\int \frac{\tan^{-1}(x)}{x^2}dx$.

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

Problem 4. Find $\int \frac{dx}{\cos(x)+3\tan(x)-3\sec(x)}$.