MATH 20C: FUNDAMENTALS OF CALCULUS II
WORKSHEET, DAY #14

Problem 1. Evaluate the integral

$$\int x \cos(-3x^2 + 4)\, dx.$$

Problem 2. Evaluate the integral

$$\int \left(3\csc(3x) + \frac{1}{x} + 5e^{-x} \right) dx.$$

Problem 3. Evaluate the integral

$$\int_0^{\pi/2} x \cos x \, dx.$$

Problem 4. Evaluate the integral

$$\int e^{2x} \cos x \, dx.$$