

MATH 20C: FUNDAMENTALS OF CALCULUS II
WORKSHEET, DAY #5

Problem 1. Evaluate the integral

$$\int (x + 1)e^{x^2+2x} dx.$$

Problem 2. Evaluate the integral

$$\int 3.6\sqrt{2x - 1} dx.$$

Problem 3. Evaluate the integral

$$\int \frac{2x}{(x - 5)^2} dx.$$

Problem 4. Evaluate the integral

$$\int \frac{x^3 - x^2}{3x^4 - 4x^3} dx.$$

Problem 5. Evaluate the integral

$$\int \frac{2e^{2/x}}{x^2} dx.$$