

Homework III Second-Half

Due in class Monday July 23 2017

1. Compute

$$\int_1^5 \ln 2x \, dx$$

2. Compute

$$\int x^2 e^x \, dx$$

3. Compute

$$\int x^2 \ln x \, dx$$

4. Compute

$$\int e^{3x+1} \, dx$$

5. Compute

$$\int_1^2 \frac{1}{x^2} \ln x \, dx$$