

Math 16B: Short Calculus II
Winter 2018, Section 3
Homework Sheet 7
Due: Monday, March 5, 2018

Submit your solutions to the following problems in lecture on the due date above. Present your work in a clean and organized fashion, either on a printed copy of this document (preferred) or a separate sheet of paper. As stated in the syllabus, late submissions will **not** be accepted.

1. Evaluate the following integrals.

(a) $\int \frac{\ln(2x)}{x^2} dx$

(b) $\int e^{2x} \cos(e^{2x}) dx$

(c) $\int \frac{1}{x \ln(x)} dx$

(d) $\int_1^{\infty} \frac{2}{\sqrt{x}} dx$