Math 16B: Short Calculus II Spring 2017, Section 1 Homework Sheet 6 Due: Friday, May 19, 2017

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)
$$\int x^{2}e^{5x} dx$$
 $y = \frac{1}{5}e^{5x}$
 $y = \frac{1}{5}x^{2}e^{5x}$
 $y = \frac{1}{5}x^$