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**HOMEWORK DAY 9** – *Integration by parts §7.1*

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Evaluate the following integrals.

1. §7.1: 5

2. §7.1: 8

3. §7.1: 9

4. §7.1: 13

5.  $\int \frac{\ln(x)}{x} dx$

6.  $\int_1^2 \ln(x) dx$

7.  $\int x^2 \sin(3x) dx$

8.  $\int x \sin(3x^2) dx$