

DATE: \_\_\_\_\_

**Integration by Parts (Extra Practice)**

1.  $\int x \cos 5x \, dx$

2.  $\int \ln(2x + 1) \, dx$

3.  $\int (\ln x)^2 \, dx$

4.  $\int e^{2x} \sin 3x \, dx$

5.  $\int \frac{\ln x}{x^2} \, dx$

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