# HW 8-2 Integration by Parts

Name:_____

**Find integral of each**

1) $\int x \cdot e^x \, dx =$

2) $\int x \cdot \sin x \, dx$

3) $\int x^2 e^{-x} \, dx =$

4) $\int x^3 \cos x \, dx =$

5) $\int \ln x \, dx =$

6) $\int x^9 \cdot \ln x \, dx =$

7) $\int e^{-x} \cos x \, dx =$