# MAC2312: Calculus 2 - Section 3

Quiz 1: 7.1 Integration by Parts                    May 13, 2015

1. Evaluate $\displaystyle\int x \cos 5x \; dx$.

   A. $-\dfrac{1}{5}x \sin 5x - \dfrac{1}{25} \cos 5x + C$

   B. $\dfrac{1}{5}x \sin 5x + \dfrac{1}{25} \cos 5x + C$

   C. $5x \sin 5x + 25 \cos 5x + C$

   D. $-5x \sin 5x - 25 \cos 5x + C$