

Groupwork by Parts

Use integration by parts to evaluate each integral.

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

2. (a) $\int 2x \sin(3x) dx$

(b) $\int_0^{\pi/3} 2x \sin(3x) dx$

3. $\int y^2 \cos y \, dy$

4. $\int e^t \cos t \, dt$