

2-1 Videos Guide

2-1a

- The integration by parts formula
 - $\int u dv = uv - \int v du$

Exercises:

Evaluate the integral.

2-1b

- $\int ye^{0.2y} dy$
- $\int \ln x dx$

2-1c

- $\int e^{-\theta} \cos 2\theta d\theta$

2-1d

- $\int_0^1 (x^2 + 1)e^{-x} dx$

2-1e

- $\int_1^{\sqrt{3}} \arctan(1/x) dx$