

Practice with Definite Integrals

Use antidifferentiation to compute the following definite integrals. Check your work using the geometric definition of the definite integral, graphing and estimation.

a) $\int_0^2 x^2 dx$

b) $\int_1^e \frac{1}{x} dx$

c) $\int_{-\pi/4}^0 \sin x dx$

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