

16.2: Pondering 1D Integration

Calculus III

College of the Atlantic

Evaluate the following integrals:

$$\int_2^5 x^2 dx \quad (1)$$

$$\int_2^5 y^2 dy \quad (2)$$

$$\int_2^5 2x^2 dx \quad (3)$$

$$\int_2^5 \ln(2)x^2 dx \quad (4)$$

$$\int_2^5 yx^2 dx \quad (5)$$

$$\int_2^y x^2 dx \quad (6)$$

$$\int_2^x x^2 dx \quad (7)$$

$$\int x^2 dx \quad (8)$$