

Integral Properties

$$\int_0^5 f(x) \, dx = 3 \quad \int_5^{10} f(x) \, dx = 5$$

$$\int_0^5 h(y) \, dy = -2 \quad \int_5^{10} h(y) \, dy = 7$$

1. $\int_0^{10} f(x) \, dx$

2. $\int_0^{10} h(y) \, dy$

3. $\int_0^{10} h(\alpha) \, d\alpha$

4. $\int_5^0 f(x) \, dx$

5. $\int_0^5 -h(y) \, dy$

6. Over estimate $\int_0^\pi \sin \theta \, d\theta$

7. Under estimate $\int_0^\pi \sin \theta \, d\theta$