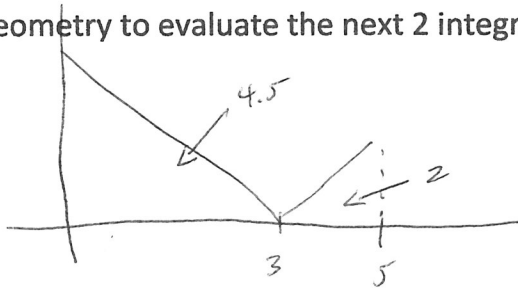


Calculus Study Guide: section 5.2

Use simple geometry to evaluate the next 2 integrals.

$$\int_0^5 |x-3| dx$$



A) 4.5

B) 5

C) 5.5

D) 6

E) 6.5

$$\int_0^5 \sqrt{25-x^2} dx$$

$$A = \pi r^2$$

$$\frac{\pi \cdot 5^2}{4}$$

answer: \_\_\_\_\_

$$\frac{25\pi}{4}$$

If  $\int_{-2}^7 h(x) dx = 4$ , evaluate  $\int_7^{-2} h(x) dx$

answer = \_\_\_\_\_

$$-4$$