

Solutions

Each answer shows the steps, then the **result**.

2.1

- $\int_0^7 f = \int_0^3 f + \int_3^7 f = 6 + (-2) = 4$

2.2

- $\int_3^0 f = -\int_0^3 f = -6$

2.3

- $2(6) + 5 = 17$

3.1 C

- a zero-width interval gives 0

3.2

(a)

- $\int_4^6 h = \int_1^6 h - \int_1^4 h = 12 - 7 = 5$

(b)

- $\int_6^1 h = -12$

3.3

- $5(8) - 4(-3) = 40 + 12 = 52$