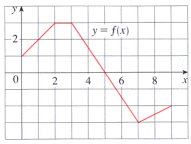
1. **(1 pt) Library/UCSB/Stewart5_5_2/Stewart5_5_2_33-/Stewart5_5_2_33.pg**

Consider the graph of the function $f(x)$:



Evaluate the following integrals by interpreting them in terms of areas:

(a) $\int_0^2 f(x)\,dx =$ _____

(b) $\int_0^5 f(x)\,dx =$ _____

(c) $\int_5^7 f(x)\,dx =$ _____

(d) $\int_0^9 f(x)\,dx =$ _____

Answer(s) submitted:

-
-
-
-

(incorrect)

2. **(1 pt) Library/UCSB/Stewart5_5_2/Stewart5_5_2_41.pg**

Given that $\int_4^9 2\sqrt{x}\,dx = \frac{76}{3}$, what is $\int_9^4 2\sqrt{t}\,dt$?

_____

Answer(s) submitted:

-

(incorrect)

3. **(1 pt) Library/UCSB/Stewart5_5_2/Stewart5_5_2_47.pg**

The sum

$$\int_{-2}^{2} f(x)\,dx + \int_{2}^{5} f(x)\,dx - \int_{-2}^{-1} f(x)\,dx$$

can be written as a single integral in the form

$$\int_a^b f(x)\,dx$$

Determine a and b.

$a =$ _____

$b =$ _____

Answer(s) submitted:

-
-

(incorrect)

4. **(1 pt) Library/UCSB/Stewart5_5_2/Stewart5_5_2_48.pg**

If $\int_1^5 f(x)\,dx = 12$ and $\int_4^5 f(x)\,dx = 3.6$, find $\int_1^4 f(x)\,dx$.

_____

Answer(s) submitted:

-

(incorrect)

5. **(1 pt) Library/UCSB/Stewart5_5_2/Stewart5_5_2_49.pg**

If $\int_0^9 f(x)\,dx = -40$ and $\int_0^9 g(x)\,dx = 28$, find $\int_0^9 [2f(x)+3g(x)]\,dx$.

_____

Answer(s) submitted:

-

(incorrect)