

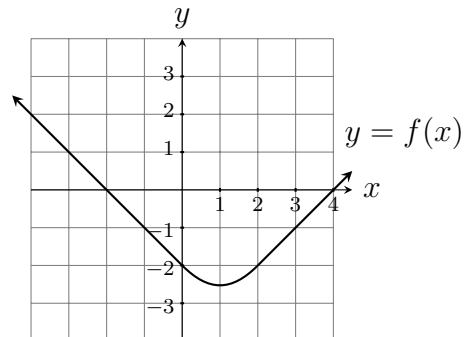
1. Answer the questions about the function $f(x)$ graphed below.

(a) $\int_{-4}^{-2} f(x) dx =$

(b) $\int_2^2 f(x) dx =$

(c) $\int_{-3}^0 f(x) dx =$

(d) Suppose $\int_1^2 f(x) dx = -2.3$. Find $\int_1^4 f(x) dx$.



(e) $\lim_{n \rightarrow \infty} \sum_{k=1}^n f\left(-4 + \frac{2k}{n}\right) \frac{2}{n} =$

2. Suppose for functions f and g we have: $\int_1^7 f(x) dx = 4$, $\int_7^9 f(x) dx = 5$, $\int_1^9 g(x) dx = 6$.

Find $\int_1^9 (f(x) - 3g(x)) dx$

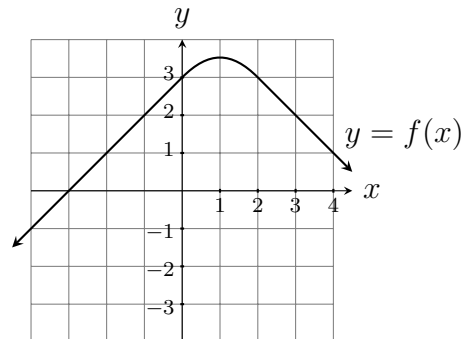
1. Answer the questions about the function $f(x)$ graphed below.

(a) $\int_2^4 f(x) dx =$

(b) $\int_{-4}^{-2} f(x) dx =$

(c) $\int_3^3 f(x) dx =$

(d) Suppose $\int_0^2 f(x) dx = 6.6$. Find $\int_0^4 f(x) dx$.



(e) $\lim_{n \rightarrow \infty} \sum_{k=1}^n f\left(-3 + \frac{k}{n}\right) \frac{1}{n} =$

2. Suppose for functions f and g we have: $\int_1^4 f(x) dx = 1$, $\int_4^6 f(x) dx = 2$, $\int_1^6 g(x) dx = 3$.

Find $\int_1^6 (f(x) + 2g(x)) dx$