

1. Suppose f is a function defined on $[3, 8]$ for which $\int_5^8 f(x) dx = 4$ and $\int_3^8 f(x) dx = 6$.

(a) Find $\int_3^5 f(x) dx$

(b) Find $\int_5^3 2f(x) dx$

2. Find $\int_0^2 (1-x) dx$

3. A the graph of a function $f(x)$ is shown below. Find $\int_1^6 f(x) dx$.

