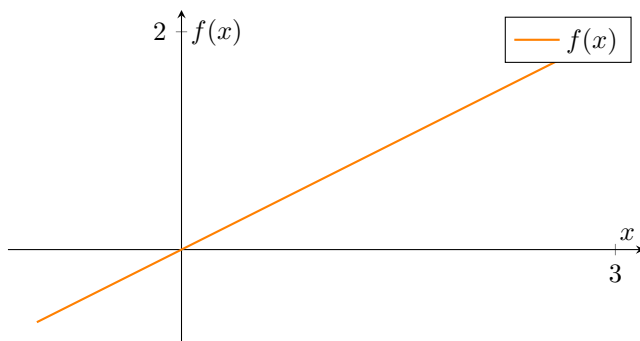1. Compute the following integrals using the given plot:

(a) $\int_0^3 f(x)dx$

(b) $\int_0^1 f(x)dx$

(c) $\int_1^3 f(x)dx$

2. Compute the following integrals using the given plot:

(a) $\int_0^2 f(x)dx$

(b) $\int_2^6 f(x)dx$

(c) $\int_6^8 f(x)dx$

(d) $\int_8^{11} f(x)dx$

(e) $\int_0^{11} f(x)dx$

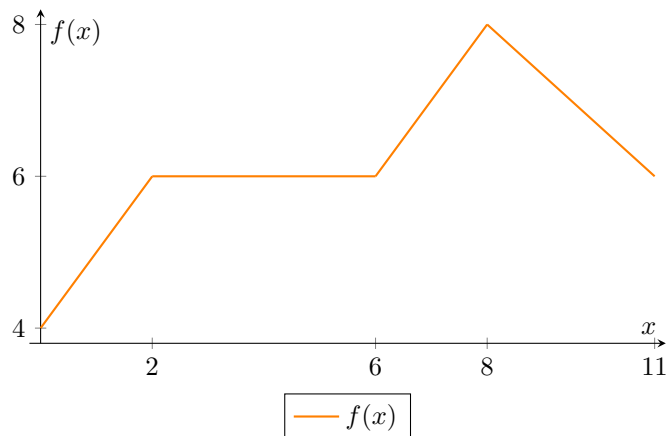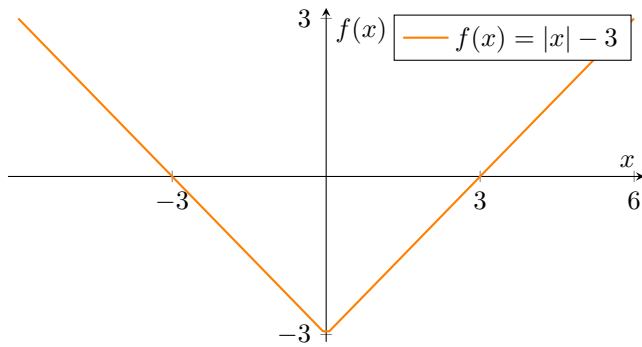(f) $\int_0^{11}(f(x)-6)dx$

3. Compute the following integrals using the given plot:

(a) $\int_{-3}^{3} f(x)dx$

(b) $\int_{0}^{6} f(x)dx$

4. Compute the following integrals:

(a) $\int_{0}^{4} -3dx$

(b) $\int_{a}^{b} 7dt$

(c) $\int_{-2}^{2} x^3 dx$

(d) $\int_{0}^{t} e^{3y}dy$

(e) $\int_{-t}^{t} (x^2 + 3x + 4)dx$

5. If I travel $v(t) = e^t - t^2$ miles per hour for t hours, how far do I travel after 8 hours? t hours?

The End.