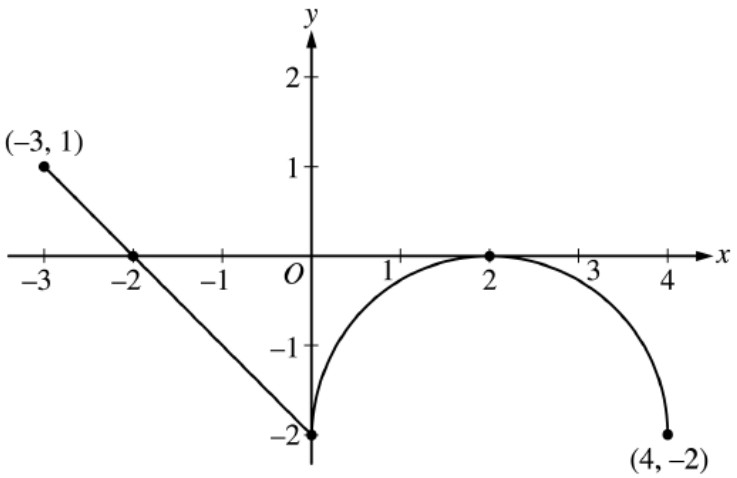
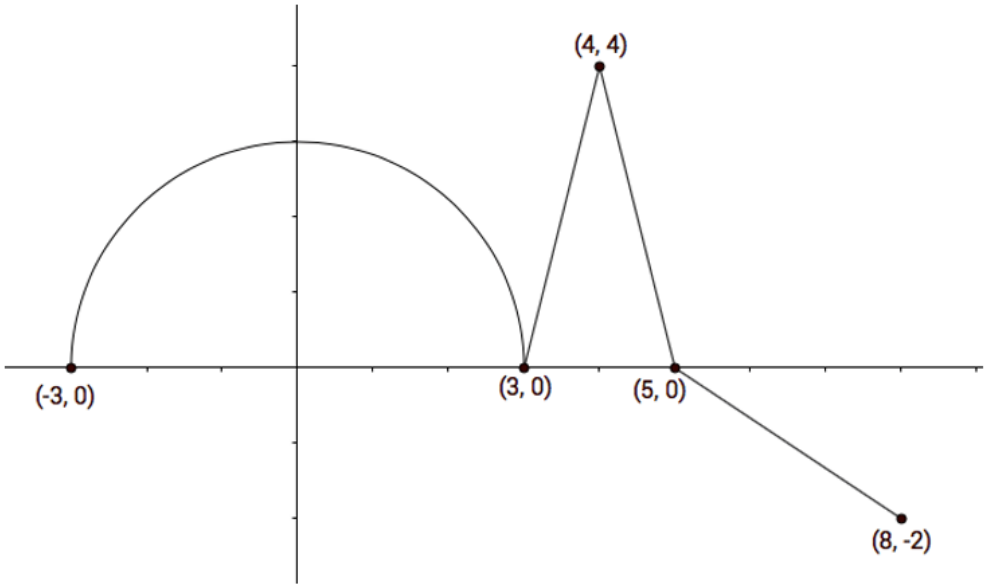


Graph of $g(x)$

1. Let g be the function, given by the graph above, defined on the closed interval $-3 \leq x \leq 4$ which consists of one line segment and a semicircle.

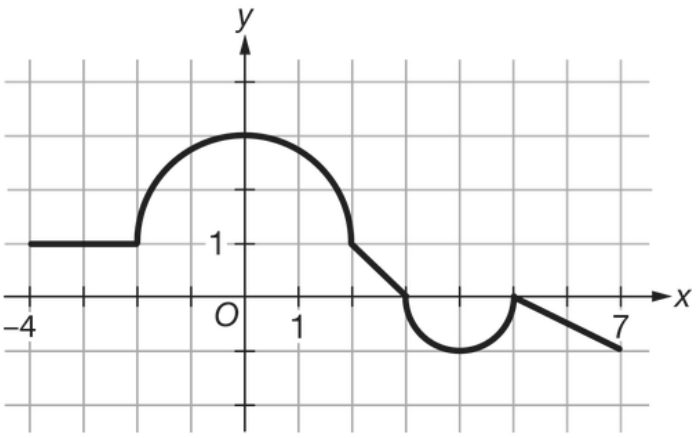
Let $w(x) = \int_{-3}^{x} g(t)\,dt$. Find $w(-3)$ and $w(0)$.



Graph of $f(x)$

2. The function f is defined on the closed interval $[-3,8]$ and is given by the graph above which consists of three line segments and a semicircle.

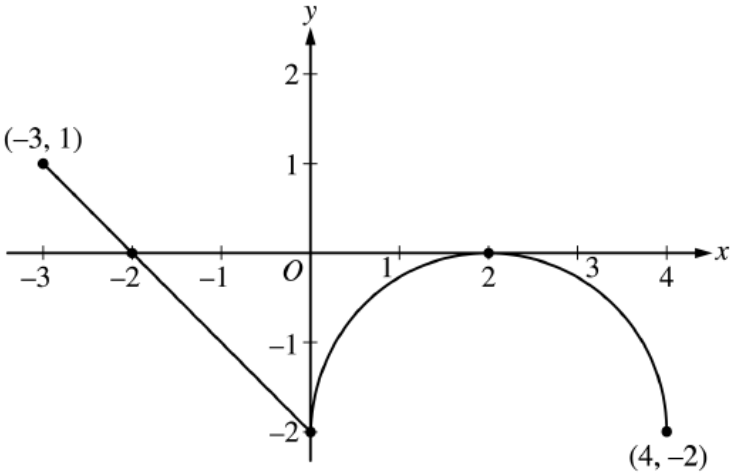
Let h be the function defined by $h(x) = x - \int_{x-3}^{3} f(t)\,dt$. Find $h(0)$.



Graph of $h(x)$

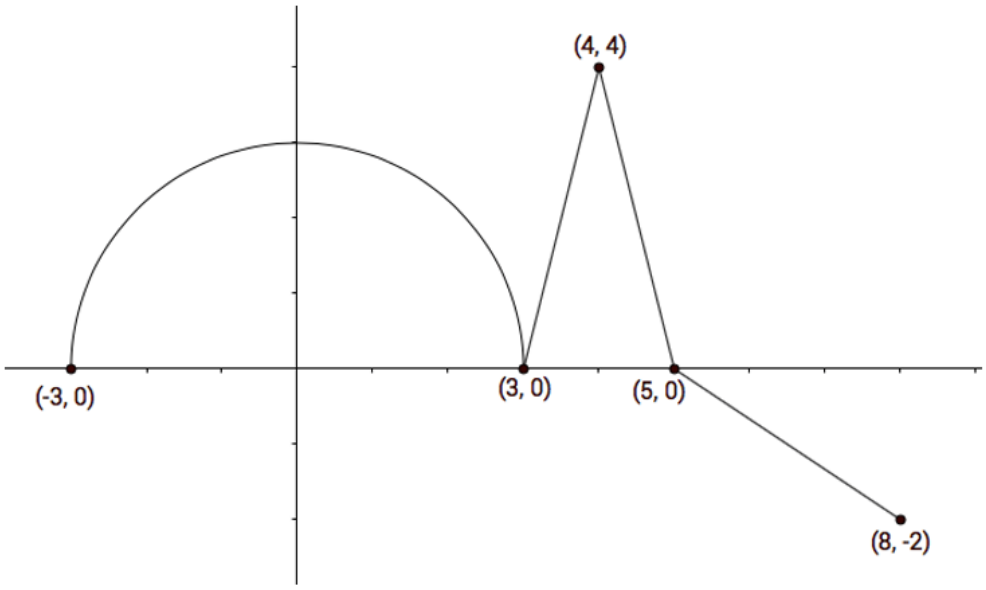
3. The function h is defined on the closed interval $[-4,7]$ and is given by the graph above which consists of three line segments and two semicircles.

Let f be the function defined by $f(x) = \int_x^2 h(t)\,dt$. Find $f(-4)$.



Graph of $g(x)$

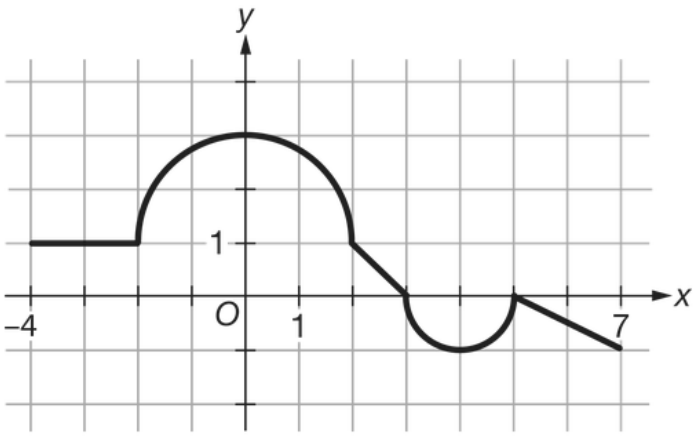
4. Let g be the function, given by the graph above, defined on the closed interval $-3 \le x \le 4$ which consists of one line segment and a semicircle. Let $w(x) = \int_0^x g(t)\,dt$. Find $w(4)$.



Graph of $f(x)$

5. The function f is defined on the closed interval $[-3,8]$ and is given by the graph above which consists of three line segments and a semicircle.

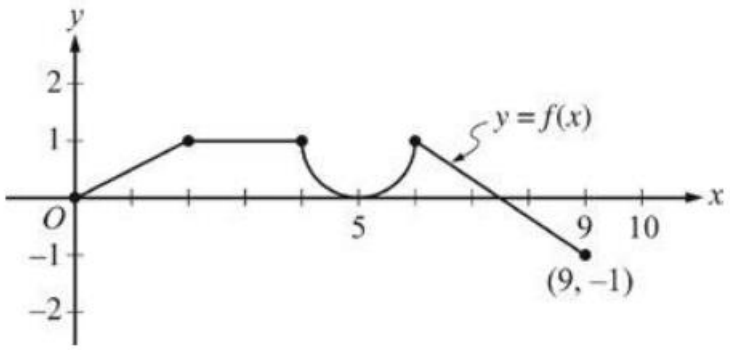
Let h be the function defined by $h(x) = x - \int_3^{x-4} f(t)\,dt$. Find $h(12)$.



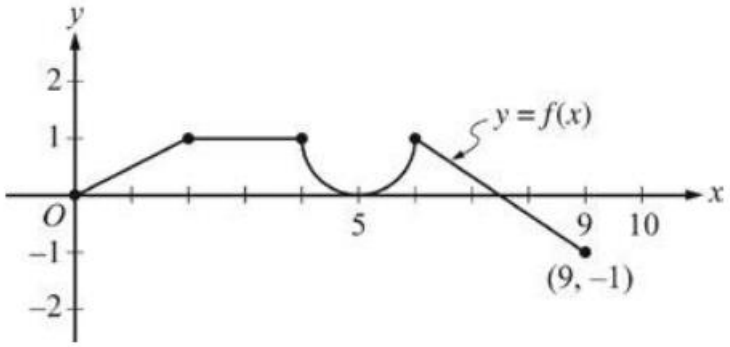
Graph of $h(x)$

6. The function h is defined on the closed interval $[-4,7]$ and is given by the graph above which consists of three line segments and two semicircles.

Let f be the function defined by $f(x) = \int_x^7 h(t)\,dt$. Find $f(0)$.



7. The function f is defined on the closed interval $[0,9]$ and is given by the graph above which consists of three line segments and a semicircle centered at point $(5,1)$.
Let g be the function defined by $g(x) = \int_2^x f(t)\,dt$. Find $g(9)$.



8. The function f is defined on the closed interval $[0,9]$ and is given by the graph above which consists of three line segments and a semicircle centered at point $(5,1)$.
Let g be the function defined by $g(x) = \int_1^x f(t)\,dt$. Find $g(4)$.