

- (a)  $g(2) = 5$ , because the point  $(2, 5)$  is on the graph of  $g$ . Thus,  $f(g(2)) = f(5) = 4$ , because the point  $(5, 4)$  is on the graph of  $f$ .
- (b)  $g(f(0)) = g(0) = 3$
- (c)  $(f \circ g)(0) = f(g(0)) = f(3) = 0$
- (d)  $(g \circ f)(6) = g(f(6)) = g(6)$ . This value is not defined, because there is no point on the graph of  $g$  that has  $x$ -coordinate 6.
- (e)  $(g \circ g)(-2) = g(g(-2)) = g(1) = 4$
- (f)  $(f \circ f)(4) = f(f(4)) = f(2) = -2$