

**Exercise 15**

Evaluate each expression using the given table of values:

$x$	-2	-1	0	1	2
$f(x)$	1	0	-2	1	2
$g(x)$	2	1	0	-1	0

- a.  $f(g(-1))$                       b.  $g(f(0))$   
c.  $f(f(-1))$                       d.  $g(g(2))$   
e.  $g(f(-2))$                       f.  $f(g(1))$

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**Solution**

- a.  $f(g(-1)) = f(1) = 1$   
b.  $g(f(0)) = g(-2) = 2$   
c.  $f(f(-1)) = f(0) = -2$   
d.  $g(g(2)) = g(0) = 0$   
e.  $g(f(-2)) = g(1) = -1$   
f.  $f(g(1)) = f(-1) = 0$