Find That Function!

Find the function that "undoes" what f(x) does. In other words, find a function g(x) so that if f(a) = b, then g(b) = a. Verify at least two test points.

a) f(x) = x − 2

b) f(x) = 3x

c) f(x) = x/5

d) f(x) = 2x + 3

e) f(x) = 2/5 x − 8

f) f(x) = x²

g) f(x) = 1/3 x² + 1

h) f(x) = $\sqrt{x}$

i) f(x) = $\sqrt{x+3}$

j) f(x) = $\sqrt[3]{x}$

k) f(x) = 1/x

l) f(x) = 10ˣ