



Exercise set 0.4 :

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1, 3(a, b, c, d, f) 9, 10, 11, 12, 13, 17, 18, 19, 22 p.44-45.

1. In (a)–(d), determine whether f and g are inverse functions.

(a) $f(x) = 4x$, $g(x) = \frac{1}{4}x$

(b) $f(x) = 3x + 1$, $g(x) = 3x - 1$

$$(c) f(x) = \sqrt[3]{x-2}, g(x) = x^3 + 2$$

$$(d) f(x) = x^4, g(x) = \sqrt[4]{x}$$

12. $f(x) = \sqrt[5]{4x + 2}$



