

Name: _____

L2S1

Inverse of Functions

Find the inverse of each function.

1) $f(x) = \frac{x + 11}{x - 12}$

2) $f(x) = \sqrt{4x + 7}$

3) $f(x) = 5x^3 - 6$

5) $f(x) = \sqrt[3]{9x - 8}$

7) $f(x) = e^x$

8) $f(x) = \log_2 x - 10$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Inverse of Functions

Find the inverse of each function.

$$1) f(x) = \frac{x + 11}{x - 12}$$

$$2) f(x) = \sqrt{4x + 7}$$

$$f^{-1}(x) = \frac{12x + 11}{x - 1}$$

$$f^{-1}(x) = \frac{x^2 - 7}{4}$$

$$3) f(x) = 5x^3 - 6$$

$$f^{-1}(x) = \sqrt[3]{\frac{x + 6}{5}}$$

$$5) f(x) = \sqrt[3]{9x - 8}$$

$$f^{-1}(x) = \frac{x^3 + 8}{9}$$

$$7) f(x) = e^x$$

$$f^{-1}(x) = \log_e x$$

$$8) f(x) = \log_2 x - 10$$

$$f^{-1}(x) = 2^{(x + 10)}$$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com