

Name: \_\_\_\_\_

## Evaluating Functions

L2S3

A) Evaluate each function at the specified value.

1)  $f(x) = 7\cot^2 x$  ;  $x = \frac{\pi}{3}$

2)  $f(x) = 5^x + 2x - 9$  ;  $x = 3$

\_\_\_\_\_

\_\_\_\_\_

B) Evaluate each function.

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

1 ; find  $f(-\pi)$

\_\_\_\_\_

\_\_\_\_\_

C) If  $f(x) = 7x^4 + 5x^3 - 6x$

1)  $f(0) =$  \_\_\_\_\_

3)  $f(2) =$  \_\_\_\_\_

D) If  $f(x) = (-2)^{(1+x)}$  ; find

1)  $\frac{f(2)}{2f(-1)} =$  \_\_\_\_\_

3)  $f(4) \times 3f(0) =$  \_\_\_\_\_

4)  $6f(1) - f(5) =$  \_\_\_\_\_

E) What is the value of  $f(-1)$ , if  $f(x) = -x^2 - 5x + 9$ ?

i) -13

ii) 13

iii) 15

iv) 9

**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](http://www.mathworksheets4kids.com)