

Name: _____

Evaluating Functions

L1ES3

A) Evaluate each function at the specified values.

1) $f(x) = 9x^6 - x^3 - 2x^2 - 6x - 14$; $x = 1$

2) $f(x) = 5x^2 + 3x + 4$; $x = 3$

B) Evaluate each function.

1) $f(x) = 11 - x^2 - 7x$

2) $f(x) = 11 - x^2 - 7x$; find $f(-9)$

C) If $f(x) = -9 + 4x$; find

1) $f(10) =$ _____

3) $f(-13) =$ _____

D) If $f(x) = -6x^2 - 5x$; find

1) $7f(-2) + f(6) =$ _____

3) $2f(-8) - f(7) =$ _____

4) $\frac{4f(-5)}{f(-1)} =$ _____

E) What is the value of $f(2)$, if $f(x) = -x^5 + 7x^3 - 4x^2 + x$?

i) 10

ii) 15

iii) -12

iv) 14

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