

Evaluating Functions

A) Evaluate each function at the specified values.

1) $f(x) = x(x - 1) + 6$; $x = -8$

2) $f(x) = 13 - 7x$; $x = 14$

B) Evaluate each function.

1) $f(x) = -5(-10 - x)$

$-3x^2 + 4$; find $f(0)$

C) If $f(x) = 9 - x^2 - 6x$;

1) $f(-1) =$ _____

3) $f(15) =$ _____

D) If $f(x) = 3x^3 + x - 1$;

1) $f(3) + 8f(-1) =$ _____

3) $-f(5) \times 2f(0) =$ _____

4) $-4f(-4) - f(6) =$ _____

E) What is the value of $f(13)$, if $f(x) = -(4x + 8)$?

i) 49

ii) -52

iii) -60

iv) -44

PREVIEW

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L1ES2

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78-85

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-10**PREVIEW**

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C) If $f(x) = 9 - x^2 - 6x$;

1) $f(-1) =$ _____

-178

3) $f(15) =$ _____

-18

D) If $f(x) = 3x^3 + x - 1$;

1) $f(3) + 8f(-1) =$ _____

-5

3) $-f(5) \times 2f(0) =$ 758

4) $-4f(-4) - f(6) =$ 135

E) What is the value of $f(13)$, if $f(x) = -(4x + 8)$?

i) 49

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iii) -60

iv) -44