

Evaluating Polynomial Functions

A) Evaluate each function at the specified value.

1) $f(x) = 7x^4; x = 3$

2) $f(x) = x^4 + 9x^3 - x^2 - 9; x = -9$

3) _____

B) _____

1) _____

Preview

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3) If $f(x) = x^2(3x^2 + 9x)$, what is $f(-5)$?

4) If $f(x) = 2x^3 + 4$, what is $f(4)$?

C) What is the value of $f(1)$ if $f(x) = -6x^6 - x^4 + 8$?

i) -1

ii) 2

iii) 1

iv) 3