Evaluating Polynomial Functions

A) Evaluate each function at the specified value.

1) $f(x) = -3x^4 - 2x + 10; x = -1$

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

_____

_____

3) $f(x) = 4x^6 - 6; x = -2$

4) $f(x) = -7x^5 + x^2 - 8x + 12; x = 0$

_____

_____

B) Evaluate each function.

1) If $f(x) = 2x^3$, what is $f(1)$?

2) If $f(x) = 3x^5 + 9x^4 + 12$, what is $f(-4)$?

_____

_____

3) If $f(x) = 6x^3 - 2x + 1$, what is $f(5)$?

4) If $f(x) = -x^4 - 7x^3 + 5$, what is $f(-7)$?

_____

_____

C) What is the value of $f(-3)$ if $f(x) = -(-x^5 + x^4 - 1) - 13$?

    i)   −336   ii)   −335   iii)   −333   iv)   −337