

Evaluating Polynomial Functions

A) Evaluate each function at the specified value. Round your answer to the nearest tenth.

1) $f(x) = \frac{1}{5}x^3 - \frac{4}{3}x^2 - 7x + 5$; $x = 9$

2) $f(x) = x^6 - x^3 - 9$; $x = -1.1$

B) Evaluate each function. Round your answer to the nearest tenth.

1) $f(x) = 9x^5 + 3x^4 - 5x^2 + 2$.

2) $f(x) = x^3 + 8x^2 - 6x$;

find $f\left(-\frac{2}{3}\right)$

C) If $f(x) = 3x^4 + 2x^3 - 6$,
tenth.

1) $f(1.8) =$ _____

3) $f\left(\frac{3}{2}\right) =$ _____

D) If $f(x) = \frac{x^4 + 3x}{2}$; fir

1) $6f(6) - 2f(-8)$

E) What is the value of $f(7)$, if $f(x) = x^3 - 1.6x^2 - x + 7$?

i) 246.4

ii) 642.4

iii) 462.6

iv) 264.6

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answer to the nearest

nearest tenth.