

Answer on question #61368, Math / Algebra

Question 1 Find the value of $f(x) = x^3 + x^2 - 5x + 1$, when $x=2$

- a) 6
- b) 4
- c) 3
- d) 1

2) Evaluate the value of $f(x2)$, if $f(x) = x^2 + 5x + 5$

- a) $x^2 + x + 4$
- b) $x^2 - x - 3$
- c) $x^2 + 2x + 4$
- d) $x^2 + x - 5$

Solution 1.

$$f(2) = 2^3 + 2^2 - 5 \cdot 2 + 1 = 8 + 4 - 10 + 1 = 3$$

Answer is c) 3

2.

$$f(x - 2) = (x - 2)^2 + 5(x - 2) + 5 = x^2 - 4x + 4 + 5x - 10 + 5 = x^2 + x - 1$$

There is no correct answer among a,b,c,d.