

Answer on Question #61834 – Math – Algebra

Question

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

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

Solution

If $f(x) = x^3 + x^2 - 5x + 1$, then

$$f(2) = 2^3 + 2^2 - 5 \cdot 2 + 1 = 8 + 4 - 10 + 1 = 12 - 10 + 1 = 2 + 1 = 3.$$

Answer: c. 3.