back | QID: 50836 | 2 of 12 | next

Find the inverse of the function:

$y = (x+8)^3 + 7$

Correct!

You said C:

$y = \sqrt[3]{x-7} - 8$

The correct answer is C:

$y = \sqrt[3]{x-7} - 8$

Correct answer explanation:

Interchange x and y:

$y = (x+8)^3 + 7 \Rightarrow x = (y+8)^3 + 7$

Solve for y.

$$x = (y+8)^3 + 7$$
$$x - 7 = (y+8)^3$$
$$y + 8 = \sqrt[3]{x-7}$$
$$y = \sqrt[3]{x-7} - 8$$

back | Show question list | Print | next