

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  $y$ .

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

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

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

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