Bellwork Alg 2

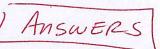
Thursday, February 6, 2020

Solve each.

1.
$$15\sqrt[3]{x+2} - 11 = 19$$

2.
$$\sqrt{(x-7)^3} + 9 = 17$$

Bellwork Solve each. Thursday, February 6, 2020 / Answers



1.
$$15\sqrt[3]{x+2} - 11 = 19$$

$$\frac{15\sqrt[3]{x+2}}{15} = \frac{30}{15}$$

$$(\sqrt[3]{x+2})^3 = (2)^3$$

$$x+2 = 8$$

$$-2 - 2$$

Alg 2

$$X=6$$

2.
$$\sqrt{(x-7)^3} + 9 = 17$$

$$(\sqrt{(x-7)^3})^2 = (8)^2$$

$$\sqrt[3]{(x-7)^3} = \sqrt[3]{64}$$

$$X-7 = 4$$

$$+7 +7$$

$$X=11$$