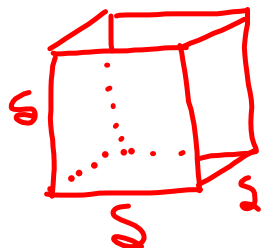


Chap 1 Sec 2
Find Cube roots

1) $V = 27,000 \text{ cm}^3$ what $\#^3 = 27,000$
 $30^3 = 27,000$



$$3) \sqrt[3]{125} = \sqrt[3]{5^3} = 5$$

$$4) \sqrt[3]{-1} = \sqrt[3]{(-1)^3} = -1$$

$$9) \sqrt[3]{-\frac{1}{64}} = \frac{\sqrt[3]{-1}}{\sqrt[3]{64}} = \frac{\sqrt[3]{(-1)^3}}{\sqrt[3]{(4)^3}} = -\frac{1}{4}$$

$$7) \sqrt[3]{8000} = \sqrt[3]{(20)^3} = 20$$

$$10) \sqrt[3]{0.001} = \sqrt[3]{(0.1)^3} = 0.1$$

$$6) \sqrt[3]{-1331} = \sqrt[3]{(-11)^3} = -11$$

$$\begin{aligned} 11) & 5 + (\sqrt[3]{8})^3 \\ & 5 + \frac{(\sqrt[3]{8} \times \sqrt[3]{8} \times \sqrt[3]{8})}{} \\ & 5 + \sqrt[3]{8 \cdot 8 \cdot 8} \\ & 5 + \sqrt[3]{(8)^3} \\ & 5 + 8 \\ & \quad \uparrow \\ & 13 \end{aligned}$$

$$12) \quad 4 \sqrt[3]{-729} - 3$$

$$(4) (\sqrt[3]{-9}) - 3$$

$$(4)(-9) - 3$$

$$-36 - 3$$

$$-39$$

$$13) \quad \frac{2}{3} - \sqrt[3]{-\frac{1}{27}}$$

$$\frac{2}{3} - \frac{\sqrt[3]{-1}}{\sqrt[3]{27}}$$

$$\frac{2}{3} + \frac{+1}{3}$$

$$\frac{2+1}{3} = 1$$