Roots & Powers

① $\sqrt[3]{56} = \sqrt[3]{7 \times 8}$

$= 2\sqrt[3]{7}$

56

7 x 8

7 x 2 x 4

7 x (2 x 2 x 2)

$2\sqrt{7}$

③ $\sqrt[3]{432} = \sqrt[3]{16 \times 27}$

$= \sqrt{4 \times 4 \times 3 \times 9}$

(2 x 2) 2 x (3 x 3 x 3)

$6\sqrt[3]{2}$

$\sqrt[3]{16 \times 27}$

$3\sqrt[3]{16}$

$3\sqrt[3]{8 \times 2}$

$3 \times 2\sqrt[3]{2}$

$6\sqrt[3]{2}$

II $3\sqrt[3]{5} = \sqrt[3]{3 \times 3 \times 3 \times 5}$

$= \sqrt[3]{135}$

IV. $8^{\frac{5}{2}} = 181.0\ldots$

$(\sqrt[2]{8})^5$

$8 \wedge (5/2)$

y^x