

$$36^{-3/2}$$

$$\left(\frac{27}{64}\right)^{4/3}$$

Write as a power: $\left(\overline{26}\right)^5$

$$-32^{0.8}$$

$$\frac{36^{-3/2}}{1}$$

$$\frac{1}{36^{3/2}}$$

← exp.
← root

$$\frac{1}{(\sqrt{36})^3}$$

$$= \frac{1}{6^3}$$
$$= \frac{1}{216}$$

$$\left(\frac{27}{64}\right)^{\frac{4}{3}}$$

↓ exp.
↑ root

$$\frac{(\sqrt[3]{27})^4}{(\sqrt[3]{64})^4}$$

$$\frac{3^4}{4^4}$$

$$= \frac{81}{256}$$

Write as a power: $\left(\sqrt[4]{26}\right)^5$

$$26^{\frac{\text{exp}}{\text{root}}}$$

$$26^{\frac{5}{4}}$$

$$-32^{0.8}$$

-32 $\frac{8}{10} \div 2$
 exp.
 32 $\frac{4}{5}$ root
 $(\sqrt[5]{32})^4$
 2^4
 -16