

$$m^{\frac{a}{b}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$m^{-a} = \underline{\hspace{2cm}}$$

$$\frac{1}{m^a} = \underline{\hspace{2cm}}$$

$$m^{\frac{a}{b}} = \sqrt[b]{m^a} = (\sqrt[b]{m})^a$$

Example

$$8^{\frac{2}{3}} = \sqrt[3]{8^2} = (\sqrt[3]{8})^2$$

$$m^{-a} = \frac{1}{m^a}$$

$$\frac{1}{m^a} = m^{-a}$$