$$\sqrt{X}^{\circ} = X^{\circ}$$

$$\sqrt[3]{4^{\circ}} = (4)^{6} = 2$$

$$\sqrt[3]{X}^{\circ} = X^{\circ}$$

$$\sqrt[3]{X} = X^{\circ}$$

$$\sqrt[3]{(\frac{2}{3})^{\circ}} = (\frac{2}{3})^{6} = (\frac{2}{3})^{6}$$