1.9 1)
$$\left(\left(\sqrt[n]{a} \right)^p \right)^n = \left(\sqrt[n]{a} \right)^{np} = \left(\left(\sqrt[n]{a} \right)^n \right)^p = a^p = \left(\sqrt[n]{a^p} \right)^n$$

2)
$$\left(\sqrt[n]{a}\sqrt[n]{b}\right)^n = \left(\sqrt[n]{a}\right)^n \left(\sqrt[n]{b}\right)^n = ab = \left(\sqrt[n]{ab}\right)^n$$

3)
$$\left(\frac{\sqrt[n]{a}}{\sqrt[n]{b}}\right)^n = \frac{\left(\sqrt[n]{a}\right)^n}{\left(\sqrt[n]{b}\right)^n} = \frac{a}{b} = \left(\sqrt[n]{\frac{a}{b}}\right)^n$$

Algèbre : racines Corrigé 1.9