

**Exercise 1**

a)  $\sqrt[4]{125} \cdot \sqrt[4]{5}$

b)  $\sqrt{\frac{2}{3}} \cdot \sqrt{\frac{1}{6}}$

c)  $\sqrt[3]{\frac{9}{25}} \cdot \sqrt[3]{\frac{3}{5}}$

d)  $\sqrt[4]{\frac{1}{5}} \cdot \sqrt[4]{\frac{5}{16}}$

e)  $\sqrt[4]{\frac{1}{8}} \cdot \sqrt[4]{\frac{1}{2}}$

f)  $\sqrt[3]{\frac{1}{3}} \cdot \sqrt[3]{\frac{1}{9}} \cdot \sqrt[3]{\frac{1}{27}}$