

2 Realiza las siguientes operaciones

$$\left(\frac{1}{2}\right)^{1/2} \cdot \left(\frac{1}{2}\right)^{2/3} = \frac{1}{3^2} \cdot \frac{1}{2^3} = \frac{3+4}{6} = \frac{7}{6} = \frac{7}{2 \cdot 3}$$

3 Realiza la siguiente operación:

$$\frac{3^2 \sqrt{3}}{3^5} = 3^2 \cdot 3^{\frac{1}{2}} = 3^{\frac{5}{2}} = 3^{2\frac{1}{2}} = \frac{4+1}{2} = \frac{5}{2} = \frac{3^5}{3^{\frac{5}{2}}} = \frac{3^5}{3^{\frac{5}{2}}} = \frac{5-5}{2} = \frac{0}{2}$$

4 Realiza las siguientes operaciones

$$\frac{\frac{2}{5}}{\left(\frac{2}{5}\right)^{3/4}} = \frac{2}{5} \cdot \frac{4}{4} = \frac{4-3}{9} = \frac{1}{9} = \left(\frac{2}{5}\right)^{1/4}$$