

operaciones equivalentes

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

$$3. \frac{3^2 \cdot \sqrt{3}}{3^5} = 3^{2 + \frac{1}{2} - 5} = \frac{3^{5/2}}{3^5} = 3^{-5/2}$$

$$4. \frac{\frac{2^{7/2}}{5}}{\left(\frac{2}{5}\right)^{3/4}} = \frac{2^{7/2}}{5} \cdot \frac{5^{3/4}}{2^{3/4}} = \frac{2^{7/2} \cdot 5^{3/4}}{5 \cdot 2^{3/4}}$$

$$\frac{1}{2} - \frac{3}{4} = \frac{2}{4} - \frac{3}{4} = -\frac{1}{4}$$