

$$4_ a-\sqrt{m^5} \cdot \sqrt{m} \cdot \sqrt{m^6} = m^{\frac{5}{2}} \cdot m^{\frac{1}{2}} \cdot m^{\frac{6}{2}} = m^{\frac{(5+1+6)}{2}} = m^{\frac{12}{2}} = m^6$$

$$b- \sqrt[4]{r^3 \cdot w^7} \cdot \sqrt[4]{r^5 \cdot w^5} = \sqrt[4]{r^3 \cdot w^7 \cdot r^5 \cdot w^5} = \sqrt[4]{r^{3+5} \cdot w^{7+5}} = \sqrt[4]{r^8 \cdot w^{12}} = (r^8 \cdot w^{12})^{\frac{1}{4}} = (r^8)^{\frac{1}{4}} \cdot (w^{12})^{\frac{1}{4}} = r^{\frac{8 \cdot 1}{4}} \cdot w^{\frac{12 \cdot 1}{4}} = r^2 \cdot w^3$$

$$c- \sqrt[10]{\frac{a^{15}}{b^{25}}} = \frac{\sqrt[10]{a^{15}}}{\sqrt[10]{b^{25}}} = \frac{a^{\frac{15}{10}}}{b^{\frac{25}{10}}} = \frac{a^{\frac{3}{2}}}{b^{\frac{5}{2}}}$$

$$D- \sqrt[10]{n^2} \cdot \sqrt[15]{n^6} \cdot \sqrt[20]{n^{12}} = n^{\frac{2}{10}} \cdot n^{\frac{6}{15}} \cdot n^{\frac{12}{20}} = n^{\frac{1}{5}} \cdot n^{\frac{2}{5}} \cdot n^{\frac{3}{5}} = n^{\frac{(1+2+3)}{5}} = n^{\frac{6}{5}}$$

5-

Unir las expresiones iguales.