RADICACIÓN

Problema 36:

Simplifica:

$$\frac{\mathrm{cd}}{a}\sqrt{\frac{a^6}{\mathrm{cd}}}-\frac{b^2\mathrm{d}}{a}\sqrt{\frac{4a^4c}{b^2\mathrm{d}}}+\frac{d^2}{c}\sqrt{\frac{b^4c^3}{d^3}}$$

Solución Problema 36:

$$\frac{\mathrm{cd}a^3}{a}\frac{\sqrt{cd}}{\mathrm{cd}}-\frac{2b^2a^2\mathrm{d}}{ab}\sqrt{\frac{c}{\mathrm{d}}}+\frac{d^2b^2c}{cd}\sqrt{\frac{c}{\mathrm{d}}}$$

$$a^2\sqrt{cd}-\frac{2ab\mathrm{d}}{d}\sqrt{cd}+\frac{db^2}{d}\sqrt{cd}=\ a^2\sqrt{cd}-2ab\sqrt{cd}+b^2\sqrt{cd}=$$

$$\sqrt{cd}(a^2-2ab+b^2)=\sqrt{\boldsymbol{cd}}(\boldsymbol{a}-\boldsymbol{b})^{\boldsymbol{2}}$$