

RADICACIÓN

Problema 35:

Simplifica:

$$\frac{1}{a} \sqrt{\frac{ab^2}{4}} + 3b \sqrt{\frac{1}{4a}} - \frac{1}{a} \sqrt{ab^2}$$

Solución Problema 35:

$$\frac{1}{a} \sqrt{\frac{ab^2}{4}} + 3b \sqrt{\frac{1}{4a}} - \frac{1}{a} \sqrt{ab^2} = \frac{b}{2a} \sqrt{a} + \frac{3b}{2} \frac{1}{\sqrt{a}} - \frac{b}{a} \sqrt{a}$$

$$\frac{b\sqrt{a}}{2a} + \frac{3b\sqrt{a}}{2a} - \frac{b\sqrt{a}}{a} = \frac{b\sqrt{a} + 3b\sqrt{a} - 2b\sqrt{a}}{2a}$$

$$\frac{b\sqrt{a} + 3b\sqrt{a} - 2b\sqrt{a}}{2a} = \frac{4b\sqrt{a} - 2b\sqrt{a}}{2a} = \frac{2b\sqrt{a}}{2a} = \frac{b\sqrt{a}}{a}$$