

Bestimme x mit Verwendung der Formvariablen:

$$1. \quad \frac{\frac{x+\frac{a}{b}}{\frac{a}{b}-\frac{a}{b}}}{\frac{b}{a}} - \frac{a}{a-b} = 0$$

$$2. \quad \frac{2b}{ax-ab} - \frac{4a}{bx+b^2} = \frac{bx-4a^2+4b^2}{ax^2-ab^2}$$

$$3. \quad \frac{a^2b-x}{a} + \frac{b^2c-x}{b} + \frac{ac^2-x}{c} = 0$$

$$4. \quad \frac{\frac{x+\frac{1}{b}}{\frac{a}{b}}}{\frac{x+\frac{1}{a}}{\frac{b}{a}}} = \frac{a-2b}{b-2a}$$

$$5. \quad \frac{\frac{x-a}{x+2a}+8}{2+\frac{x+2a}{x-3a}} = 3$$

$$6. \quad \frac{2a-x}{bx-ab} - \frac{b}{ax-a^2} - \frac{a+b-x}{bx} = 0$$

$$7. \quad \frac{a+4x}{a-2x} - \frac{a+2x}{a-x} = \frac{a^2+x^2}{a^2-3ax+2x^2} - \frac{1}{2}$$

$$8. \quad \frac{a}{b(a-x)} + \frac{c}{d(x-a)} = \frac{ad-bc}{3abd}$$

$$9. \quad \frac{x+1}{b-2} - \frac{2x-1}{3b+6} = \frac{2x}{b^2-4} + \frac{x+2}{2b-4}$$