

## Lista de Exercícios

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Assunto: **Equações**

- $(6 + 18h)(h^2 - 9) = 0$ ,
- $y(2y - 3)(y - 8) = 0$
- $(c - 1)(c - 2)(c^2 - 4) = 0$
- $x^2 + 9x = 0$
- $2t = 8t^2$
- $\frac{t^2}{4} = \frac{-3t}{2}$
- $\frac{x^2}{6} = \frac{3x}{2} - 3$
- $(4y + 5)(4y - 5) = 8y - 25$
- $(10 - 3x)(10 + 3x) = 100 - 36x$
- $(a - 9)^2 = 3(a + 9)(a + 3)$
- $\frac{4}{t-1} + \frac{t}{t-3} = -4$
- $\frac{3y}{y^2 - 1} + \frac{y+3}{y+1} = 3$
- $\frac{t+9}{t^2 - 9} - \frac{2t}{t-3} = -1$
- $\frac{x+4}{x-4} + \frac{x-4}{x+4} = -2$
- $1 - \frac{y-9}{y^2 - 6y + 9} = \frac{6}{3-y}$
- $2x - \frac{x-3}{4x-6} = -\frac{1}{2}$
- $(2y - 3)(4 - y)(5 + y) = 0$
- $c^2 + 2\sqrt{2}c = -2$
- $t^2 - 6\sqrt{3}t + 27 = 0$
- $\frac{4y}{y+3} - \frac{y+3}{y^2 + 3y} = \frac{5}{y}$
- $\frac{y}{2} = \frac{10}{y-1}$
- $2t - \frac{1-2t}{4t-8} = 1$
- $\frac{x}{x+1} + \frac{x+1}{x} = 2,5$
- $t - \frac{t+3}{3t-5} = -3$
- $\frac{4}{t-2} + \frac{t}{t-3} = 3$
- $\frac{6r}{r+3} - 2r\left(\frac{1}{r-3}\right) = \frac{r-21}{r^2-9}$
- $\frac{y}{y-1} + \frac{2y-1}{y+1} = \frac{6(y+1)}{2y^2-2}$
- $\frac{2x-6}{x^2-6x+9} = 1$
- $(2n+3)(2n-3) = \frac{n}{2} + 6$
- $(4p-5)(3-p) = (2p-6)^2$
- $(3t-10)(2-t) - (t-2)^2 = 0$
- $-3 = \frac{x}{6}\left(1 - \frac{x}{3}\right)$
- $x^2 - 367,74x + 366,74 = 0$