

**ECUACIONES BICUADRADAS**

ECUACIÓN	SOLUCIÓN	ECUACIÓN	SOLUCIÓN
1) $x^4 - 25x^2 + 144 = 0$	$(x = \pm 4, \pm 3)$	2) $4x^4 + 19x^2 - 5 = 0$	$(x = \pm 1/2)$
3) $x^4 - 29x^2 + 100 = 0$	$(x = \pm 5, \pm 2)$	4) $9x^4 - 40x^2 + 16 = 0$	$\left(x = \pm 2, \pm \frac{2}{3}\right)$
5) $x^4 - 13x^2 + 36 = 0$	$(x = \pm 2, \pm 3)$	6) $x^4 + 4x^2 + 3 = 0$	(No tiene)
7) $x^4 + 5x^2 + 4 = 0$	(No tiene)	8) $2x^4 - 3x^2 - 20 = 0$	$(x = \pm 2)$
9) $4x^4 - 37x^2 + 9 = 0$	$(x = \pm 3, x = \pm 0'5)$	10) $x^4 - 8x^2 - 9 = 0$	$(x = \pm 3)$
11) $x^4 - 24x^2 - 25 = 0$	$(x = \pm 5)$	12) $x^4 - 5x^2 + 4 = 0$	$(x = \pm 2, x = \pm 1)$
13) $2x^4 - x^2 + 1 = 0$	(no tiene)	14) $2x^4 + 9x^2 = 68$	$(x = \pm 2)$
15) $x^4 + 3x^2 - 10 = 0$	$\left(x = \pm \sqrt{2}\right)$	16) $36x^4 - 13x^2 + 1 = 0$	$\left(x = \pm \frac{1}{2}, \pm \frac{1}{3}\right)$
17) $9x^4 + 16 = 40x^2$	$\left(x = \pm 2, \pm \frac{2}{3}\right)$	18) $4x^4 - 5x^2 + 1 = 0$	$\left(x = \pm 1, \pm \frac{1}{2}\right)$
19) $x^4 - 5x^2 - 36 = 0$	$(x = \pm 3)$	20) $x^4 + x^2 + 1 = 0$	(no tiene)
21) $x^4 - 10x^2 + 9 = 0$	$(x = \pm 3, x = \pm 1)$	22) $x^4 - 16 = 0$	$(x = \pm 2)$
23) $x^4 - 9x^2 = 0$	$(x = 0, x = \pm 3)$	24) $9x^4 + 5x^2 - 4 = 0$	$\left(x = \pm \frac{2}{3}\right)$
25) $3x^4 - 26x^2 - 9 = 0$	$(x = \pm 3)$	26) $4x^4 - 17x^2 + 4 = 0$	$(x = \pm 2, x = \pm 0'5)$
27) $x^4 + 2x^2 - 3 = 0$	$(x = \pm 1)$	28) $2x^4 - x^2 - 1 = 0$	$(x = \pm 1)$
29) $x^4 - 3x^2 + 2 = 0$	$\left(x = \pm 1, x = \pm \sqrt{2}\right)$	30) $4x^4 - 13x^2 + 9 = 0$	$\left(x = \pm \frac{3}{2}, x = \pm 1\right)$
31) $x^4 - 7x^2 + 12 = 0$	$\left(x = \pm \sqrt{3}, \pm 2\right)$	32) $3x^4 + x^2 - 4 = 0$	$(x = \pm 1)$
33) $8x^4 - x^2 - 7 = 0$	$(x = \pm 1)$	34) $5x^4 - 6x^2 - 351 = 0$	$(x = \pm 3)$
35) $(x^2 - 4)(x^2 + 1) = 0$	$(x = \pm 2)$	36) $(x^2 - 5)(x^2 - 3) = 0$	$\left(x = \pm \sqrt{3}, \pm \sqrt{5}\right)$
37) $(x^2 - 3)(9x^2 - 25) = 0$	$\left(x = \pm \sqrt{3}, \pm \frac{5}{3}\right)$	38) $(x^2 - 1)(4x^2 - 9) = 0$	$\left(x = \pm 1, \pm \frac{3}{2}\right)$
39) $\frac{x^2(x^2 - 9)}{20} + 1 = x^2 - 4$	$(x = \pm 5, \pm 2)$	40) $x^2 + \frac{10}{x^2} = 7$	$\left(x = \pm \sqrt{2}, \pm \sqrt{5}\right)$
41) $\frac{x^2}{x+2} = \frac{2-x}{x^2+2}$	$(x = \pm 1)$	42) $\frac{12x^2+8}{2x^2+4} = 8x^2+6$	No tiene
43) $\frac{2}{x^2-9} = \frac{x^2-16}{72}$	$(x = \pm 5, 0)$	44) $\frac{x^2-32}{4} = \frac{-28}{x^2-9}$	$(x = \pm 5, \pm 4)$
45) $34 - x^2 = \frac{225}{x^2}$	$(x = \pm 5, \pm 3)$	46) $x^2 = \frac{12}{x^2+1}$	$\left(x = \pm \sqrt{3}\right)$