Löse die folgenden biquadratischen Gleichungen $ax^4 + bx^2 + c = 0$

$2x^4 - 30x^2 + 112 = 0$
$x_1 = 2.83 \quad x_2 = -2.83$
$x_3 = 2.65 \quad x_4 = -2.65$

$4.5x^4 - 4.5x^2 - 9 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 1.41 \quad x_4 = -1.41$

$-0.5x^4 - 3x^2 = 0$
$x_1 = 0 \quad x_2 = 0$
$x_3 = \lozenge \quad x_4 = \lozenge$

$5.5x^4 - 27.5x^2 - 198 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 3 \quad x_4 = -3$

$-10x^4 - 100x^2 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 0 \quad x_4 = 0$

$9x^4 - 81x^2 + 162 = 0$
$x_1 = 2.45 \quad x_2 = -2.45$
$x_3 = 1.73 \quad x_4 = -1.73$

$3x^4 - 15x^2 - 108 = 0$
$x_1 = 3 \quad x_2 = -3$
$x_3 = \lozenge \quad x_4 = \lozenge$

$-7x^4 + 448 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 2.83 \quad x_4 = -2.83$

$-1.5x^4 + 30x^2 - 150 = 0$
$x_1 = 3.16 \quad x_2 = -3.16$
$x_3 = 3.16 \quad x_4 = -3.16$

$-2x^4 - 18x^2 - 40 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = \lozenge \quad x_4 = \lozenge$

$-9.5x^4 + 95x^2 - 228 = 0$
$x_1 = 2 \quad x_2 = -2$
$x_3 = 2.45 \quad x_4 = -2.45$

$10x^4 + 120x^2 + 350 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = \lozenge \quad x_4 = \lozenge$

$4.5x^4 - 13.5x^2 + 9 = 0$
$x_1 = 1.41 \quad x_2 = -1.41$
$x_3 = 1 \quad x_4 = -1$

$6.5x^4 + 32.5x^2 = 0$
$x_1 = 0 \quad x_2 = 0$
$x_3 = \lozenge \quad x_4 = \lozenge$

$3.5x^4 - 3.5 = 0$
$x_1 = 1 \quad x_2 = -1$
$x_3 = \lozenge \quad x_4 = \lozenge$

$-8x^4 + 48x^2 - 40 = 0$
$x_1 = 2.24 \quad x_2 = -2.24$
$x_3 = 1 \quad x_4 = -1$

$-8.5x^4 + 51x^2 + 229.5 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 3 \quad x_4 = -3$

$7.5x^4 - 7.5x^2 - 150 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 2.24 \quad x_4 = -2.24$

$3x^4 + 18x^2 = 0$
$x_1 = 0 \quad x_2 = 0$
$x_3 = \lozenge \quad x_4 = \lozenge$

$-7x^4 - 70x^2 = 0$
$x_1 = \lozenge \quad x_2 = \lozenge$
$x_3 = 0 \quad x_4 = 0$