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

$8.5x^4 + 85x^2 + 178.5 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$-8x^4 - 8x^2 + 720 = 0$
$x_1 = 3 \quad x_2 = -3$
$x_3 = \Diamond \quad x_4 = \Diamond$

$-1.5x^4 - 16.5x^2 - 27 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$-4.5x^4 + 13.5x^2 + 180 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = 2.83 \quad x_4 = -2.83$

$-2.5x^4 - 22.5x^2 - 20 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$5x^4 - 50x^2 + 105 = 0$
$x_1 = 1.73 \quad x_2 = -1.73$
$x_3 = 2.65 \quad x_4 = -2.65$

$-7x^4 - 42x^2 - 63 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$-2x^4 + 12x^2 + 54 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = 3 \quad x_4 = -3$

$-5x^4 - 5x^2 + 60 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = 1.73 \quad x_4 = -1.73$

$3.5x^4 - 45.5x^2 + 147 = 0$
$x_1 = 2.45 \quad x_2 = -2.45$
$x_3 = 2.65 \quad x_4 = -2.65$

$-2x^4 - 6x^2 = 0$
$x_1 = 0 \quad x_2 = 0$
$x_3 = \Diamond \quad x_4 = \Diamond$

$2.5x^4 - 5x^2 = 0$
$x_1 = 0 \quad x_2 = 0$
$x_3 = 1.41 \quad x_4 = -1.41$

$-8x^4 - 40x^2 + 112 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = 1.41 \quad x_4 = -1.41$

$6x^4 - 54x^2 = 0$
$x_1 = 3 \quad x_2 = -3$
$x_3 = 0 \quad x_4 = 0$

$-9x^4 - 54x^2 - 45 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$-8x^4 - 88x^2 - 80 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$4.5x^4 - 90x^2 + 450 = 0$
$x_1 = 3.16 \quad x_2 = -3.16$
$x_3 = 3.16 \quad x_4 = -3.16$

$-5x^4 - 25x^2 - 20 = 0$
$x_1 = \Diamond \quad x_2 = \Diamond$
$x_3 = \Diamond \quad x_4 = \Diamond$

$0.5x^4 - 5.5x^2 + 5 = 0$
$x_1 = 1 \quad x_2 = -1$
$x_3 = 3.16 \quad x_4 = -3.16$

$-x^4 + 12x^2 - 20 = 0$
$x_1 = 1.41 \quad x_2 = -1.41$
$x_3 = 3.16 \quad x_4 = -3.16$