laberinto

$-7x^2+14x+21=0$

a:-7 b:14 c:21

$$x = \frac{-14 \pm \sqrt{14^2 - 4(-7)(21)}}{2(-7)}$$

$$x = \frac{-14 \pm \sqrt{196 + 588}}{-14}$$

$$x = \frac{-14 \pm \sqrt{784}}{-14}$$

$$x = \frac{-14 \pm 28}{-14}$$

$\frac{-14+28}{-14} = \frac{14}{-14}$ $x=-1$

$\frac{-14-28}{-14} = \frac{42}{-14}$ $x=3$

$2x^2-14x+24=0$

a2 b14 c24

$$x = \frac{-(-14) \pm \sqrt{-14^2 - (4)(24)}}{2(2)}$$

$$x = \frac{14 \pm \sqrt{196 \div -192}}{4}$$

$$x = \frac{14 \pm \sqrt{4}}{4}$$

$$x = \frac{14 \pm 2}{4}$$

$\frac{14+2}{4} = 4$

$\frac{14-2}{4} = 3$

$-7x^2+63=0$

a -7 c 63

$$x = \frac{-(0) \pm \sqrt{0^2 - 4(-7)(63)}}{2(-7)}$$

$$x = \frac{0 \pm \sqrt{0+1764}}{-14}$$

$$x = \frac{\pm \sqrt{1764}}{-14}$$

$$x = \pm \frac{42}{-14}$$

$\frac{42}{-14} = -3 \quad x: -3$

$\frac{42}{-14} = 3 \quad x: 3$

$x^2 - 7x - 4 = 0$

a 1 b 7 c 4

$$x = \frac{-(-7) \pm \sqrt{-7^2 - 4(1)(4)}}{2(1)}$$

$$x = \frac{7 \pm \sqrt{49+16}}{2}$$

$$x = \frac{7 \pm \sqrt{65}}{2}$$

$x^2 - 2x - 2 = 0$

$$x = \frac{-(-2) \pm \sqrt{-2^2 - 4(1)(2)}}{2(1)}$$

$$x = \frac{2 \pm \sqrt{4+8}}{2}$$

$$x = \frac{2 \pm \sqrt{12}}{2}$$

$$x = \frac{2 \pm \sqrt{2^2 \times 3}}{2}$$

$$x = \frac{2+2\sqrt{3}}{2}$$

$$x = 1+\sqrt{3}$$

$4x^2 - 24 = 0$

$a4 \quad c24$

$x^2 - 6 = 0$

$x^2 = 6$

$x = \sqrt{6}$ $\begin{cases} x = -\sqrt{6} \\ x = \sqrt{6} \end{cases}$

$2x^2 - 6x - 2 = 4x - 3$

$a2 \quad b6 \quad c2$

$x = \frac{-(-10) \pm \sqrt{-10^2 - 4 \times 2 \times 1}}{2(2)}$

$x = \frac{10 \pm \sqrt{100 - 8}}{4}$

$x = \frac{10 \pm \sqrt{92}}{4}$

$x = \frac{10 \pm 2\sqrt{23}}{4}$ $\begin{cases} \frac{10 - 2\sqrt{23}}{4} \\ \frac{10 + 2\sqrt{23}}{4} \end{cases}$

$-14x^2 + 4x + 14 = 6x^2$

$a14 \quad b4 \quad c14$

$x = \frac{-(-2) \pm \sqrt{-2^2 - 4 \times 10 \times 7}}{2(10)}$

$x = \frac{2 \pm \sqrt{-2 - 4 \times 10 \times 7}}{2(10)}$

$x = \frac{2 \pm \sqrt{4 + 280}}{20}$

$x = \frac{2 \pm 284}{20}$

$x = \frac{2 \pm 2\sqrt{71}}{20}$ $\begin{cases} \frac{2 + 2\sqrt{71}}{20} \\ \frac{2 - 2\sqrt{71}}{20} \end{cases}$

Start

$2x^2 - 14x + 24 = 0$ — 4 & 3

$-7x^2 + 63 = 0$ — −3 & 3

$x^2 - 7x - 4 = 0$ — $\frac{7 \pm \sqrt{65}}{2}$

$-7x^2 + 14x + 21 = 0$ — −1 & −3

$2x^2 + 9x + 10 = 0$ — $-\frac{1}{2}$ & -2

$x^2 - 2x - 2 = 0$ — $1 \pm \sqrt{3}$

$2x^2 - 72 = 0$ — ± 6

$-2x^2 + 8x - 6 = 0$ — 1 & 3

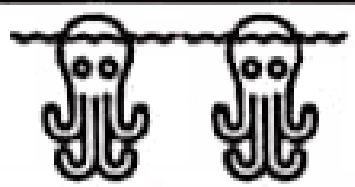
$4x^2 - 24 = 0$ — $\pm \sqrt{6}$

$x^2 = 3$ — $\pm \sqrt{3}$

$2x^2 - 6x - 2 = 4x - 3$ — 2 & $\frac{1}{2}$

$2x^2 - 6x - 2 = 4x - 3$ — 2 & $\frac{1}{2}$

$9x^2 - 1 = -x$ — $\frac{-1 \pm \sqrt{37}}{18}$



$x^2 + 4 = 12x - 8$ — $6 \pm 2\sqrt{6}$

$-11x^2 + 4x + 11 = -6x^2$ — $\frac{1 \pm \sqrt{89}}{4}$

Finish