solucion laberinto

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

$$x = \frac{14 \pm \sqrt{142 - 4(7)(21)}}{(2)\ 7}$$

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

$$x = \frac{14}{14} \pm \frac{28}{14} = \begin{cases} -1 \\ \sqrt{3} \end{cases}$$

RTA = $7\sqrt{3}$

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

$$x = \frac{14 \pm \sqrt{142 - (2)(24)}}{2(2)}$$

$$\frac{14 \pm \sqrt{196 + 192}}{4} \qquad \frac{14 \pm \sqrt{4}}{4}$$

$$\frac{-14+2}{4} \pm \frac{14-2}{4} = \begin{cases} 3 \\ -4 \end{cases}$$

RTA = $3\sqrt{4}$

$-7x^2+63=0$

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

RTA = 3 y 3

$x=\frac{63\pm\sqrt{3.969-0}}{-14}$

$x=\frac{-63}{-14}-\frac{63}{14}=3\ y\ 3$

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

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

$x=\frac{-7x\sqrt{49-16}}{1}$

RTA =

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

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

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

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

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

$=\frac{2}{2}\pm\sqrt{\frac{12}{4}}=1\pm\sqrt{3}$

$4x^2 - 2 = 0$

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

$$\frac{-24 \sqrt{576}}{8} = \frac{24 + 24}{8} = 6 \qquad \frac{24 + 24}{8} = 0$$

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

$2x^2 - 6x - 4x - 2 + 3 = 0$

$2x^2 - 10x + 1 = 0$

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

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

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

$$x = \frac{5}{2} \frac{\sqrt{92}}{4} = \frac{5 \sqrt{23}}{2}$$

$$x = \frac{5}{2} \frac{\sqrt{23}}{2}$$

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

$x + \quad + =$

$-14x^2 + 4x + 14 - -6x^2 = 0$

$-8x^2 + 4x + 14 = 0$

$-2(4x^2 - 2x - 7) =$

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

$$x = \frac{-(-2) \sqrt{(-2) - 4(4)(7)}}{2.(4)}$$

$$x = \frac{-2\sqrt{4 + \quad 112}}{2.4}$$

$$x = \frac{-2\sqrt{116}}{2.4} \qquad x = \frac{-2\sqrt{2 \cdot 58}}{2.4} \qquad x = \frac{2 \pm \sqrt{2 \cdot 2 \cdot 2}}{2.4}$$

$$x = \frac{2 + 2\sqrt{29}}{2.4} \qquad \text{RTA} = \frac{1 \pm \sqrt{29}}{4}$$