

Resuelve:

$$x^4 - 8x^2 - 9 = 0$$

Solución:

$$\text{Hacemos } z = x^2 \implies z^2 - 8z - 9 = 0 \implies z = 9 \text{ y } z = -1.$$

$$z = 9 = x^2 \implies x = \pm 3$$

$$z = -1 = x^2 \text{ No Vale}$$

Resuelve:

$$x^4 - 14x^2 - 32 = 0$$

Solución:

$$\text{Hacemos } z = x^2 \implies z^2 - 14z - 32 = 0 \implies z = 16 \text{ y } z = -2.$$

$$z = 16 = x^2 \implies x = \pm 4$$

$$z = -2 = x^2 \text{ No Vale}$$

Resuelve:

$$x^4 - 80x^2 - 81 = 0$$

Solución:

$$\text{Hacemos } z = x^2 \implies z^2 - 80z - 81 = 0 \implies z = 81 \text{ y } z = -1.$$

$$z = 81 = x^2 \implies x = \pm 9$$

$$z = -1 = x^2 \text{ No Vale}$$

Resuelve:

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

Solución:

$$\text{Hacemos } z = x^2 \implies z^2 - 2z - 8 = 0 \implies z = 4 \text{ y } z = -2.$$

$$z = 4 = x^2 \implies x = \pm 2$$

$$z = -2 = x^2 \text{ No Vale}$$

Resuelve:

$$x^4 - 24x^2 - 25 = 0$$

Solución:

$$\text{Hacemos } z = x^2 \implies z^2 - 24z - 25 = 0 \implies z = 25 \text{ y } z = -1.$$

$$z = 25 = x^2 \implies x = \pm 5$$

$$z = -1 = x^2 \text{ No Vale}$$

Resuelve:

$$x^4 + x^2 - 20 = 0$$

Solución:

Hacemos $z = x^2 \implies z^2 + z - 20 = 0 \implies z = 4$ y $z = -5$.

$$z = 4 = x^2 \implies x = \pm 2$$

$$z = -5 = x^2 \text{ No Vale}$$