$$\frac{x^2 - 10}{\sqrt{2} - x^2} = x^2 + \sqrt{2}$$

$$[\pm\sqrt{3}]$$

$$\sqrt{2} - x^{2} \neq 0$$

$$x^{2} \neq \sqrt{2}$$

$$\times^{2}$$
 - 10 = 2 - \times 4

$$\times \neq \pm \sqrt{vz} = \pm \sqrt[4]{2}$$

$$x^4 + x^2 - 12 = 0$$

$$x^2 = t$$
 $t^2 + t - 12 = 0$

$$t = -4 N.A.$$

$$(t+4)(t-3)=0$$

$$x^{2} = 3 \qquad X = \pm \sqrt{3}$$

$$\frac{x^{4}(x-2)(x^{2}+4)}{x-1} = \frac{3-18x^{4}}{x^{2}+x-2} \qquad [-1]$$

$$(x+2)(x-1) \qquad c.\varepsilon.$$

$$x^{4}(x-2)(x+2)(x^{2}+4) = \frac{3-18x^{4}}{(x+2)(x-1)}$$

$$x^{4}(x^{2}-4)(x^{2}+4) = \frac{3-18x^{4}}{(x+2)(x-1)}$$

$$x^{4}(x^{2}-4)(x^{2}+4) = 3-18x^{4}$$

$$x^{4}(x^{2}-4)(x^{2}+4) = 3-18x^{4}$$

$$x^{4}(x^{2}-4)(x^{2}+4) = 3-18x^{4}$$

$$x^{4}(x^{2}-4)(x^{2}+4) = 3-18x^{4}$$

$$x^{4}(x^{4}-16) = 3+18x^{4} = 0$$

$$x^{8}-16x^{4} = 3+18x^{4} = 0$$

$$x^{8}+2x^{4} = 3 = 0$$

$$x^{8}+2x^{4} = 3 = 0$$

$$x^{4}=t$$

$$t^{2}+2t = 3=0$$

$$t=-3 \quad y.A.$$

$$(t+3)(t-1)=0$$

$$t=1 \Rightarrow x^{4}=1 \Rightarrow x=1 \quad \forall x=-1$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$

$$y.A.$$