$$x^4-5x+6=0$$

ou
$$P_{(X)} X = x^2$$

$$\Leftrightarrow$$
 X²-5X+6=0

$$\Delta = (-5)^2 - 4(1)(6)$$

$$\Delta = 25 - 24 = 1$$

$$X_1 = \frac{-b - \sqrt{\Delta}}{2a} = \frac{5 - \sqrt{1}}{2} = 2$$

$$X_2 = \frac{-b + \sqrt{\Delta}}{2a} = 3$$

$$x_1^2$$
:

$$x_1^2 = 2$$

$$x_1 = \sqrt{2}$$
 ou $x_1 = -\sqrt{2}$

ou

$$X_2^2=3$$
:

$$x_2 = \sqrt{3}$$
 ou $x_2 = -\sqrt{3}$

$$x^4-5x+6=0 \Leftrightarrow S\{-\sqrt{3}; -\sqrt{2}; \sqrt{2}; \sqrt{3}\}$$

ex 70:

$$2x^2+3x-1=0$$
 ou px $X=x^2$

$$(x_1+x_2)^2$$

$$x_1+x_2=-\frac{b}{a}$$

$$ax^2+bx+C=0$$

 $a\neq 0$

$$x_1 + x_2 = -\frac{3}{2}$$

$$x_1 * x_2 = \frac{C}{a} = -\frac{1}{2}$$

$$x_1^2 + x_2^2 = (x_1 + x_2)^2 - 2x_1x_2$$

$$= \left(-\frac{3}{2}\right)^2 - 2\left(-\frac{1}{2}\right)$$

$$=\frac{9}{4}+1$$

$$x_1^2 + x_2^2 = \frac{13}{4}$$

$$(x_1+x_2)^2=x_1^2+2x_1x_2+x_2^2$$

$x_1^2 + x_2^2 = (x_1 + x_2)^2 - 2x_1x_2$

$$(x_1-x_2)^2 = x_1-2x_1x_2+x_2^2$$

$$= x_1^2+x_2^2-2x_1x_2$$

$$= (x_1+x_2)^2-4x_1x_2$$

$$= (-\frac{3}{2})^2-4(-\frac{1}{2}) = \frac{9}{4}+\sqrt{2}$$