2sin^2 x + sin(x^2)=1

(2sin^2x-1)+sin(x^2)=0
-(-2sin^2x+1)+sin(x^2)=0
-cos2x+sin(x^2)=0
-sin(P/2-2x)+sin(x^2)=0
sin(x^2)-sin(P/2-2x)=0
2cos((x^2+P/2-2x)/2)*sin((x^2-P/2-2x)/2)=0
cos((x^2+P/2-2x)/2)=0
cos(x^2/2+P/4-x)=0
x^2/2+p/4-x=p/2+pk
x^2/2-x=p/4+pk
x(x/2-1)=p/4+pk
2x^2-4x-p-4pk=0
2*x^2-4*x + (-p-4pk)=0
D/4=4+2p+8pk
x1=(2+(4+2p+8pk))/2
x2=(2-(4+2p+8pk))/2
sin((x^2-P/2-2x)/2)=0
sin(x^2/2-P/4-x)=0
x^2/2-P/4-x=pk
x^2/2-x=pk-P/4
x^2/2-x-pk+P/4=0
2x^2-4x-4pk+p=0
D/4=4+8pk+2p
x1=(2+4+8pk+2p)/2
x2=(2-(4+8pk+2p))/2
КАК произвольный COS превратить в некоторый синус
cosx=sin(P/2-x)
sinx=cos(P/2-x)
Ответ:(2+V(4+8pk+2p))/2;(2-V(4+8pk+2p))/2;(2+V(4+2p+8pk))/2;(2-V(4+2p+8pk))/2
4+8pk+2p=>0
8pk=>-4-2p
k=>-1/2p-¼
K>=0