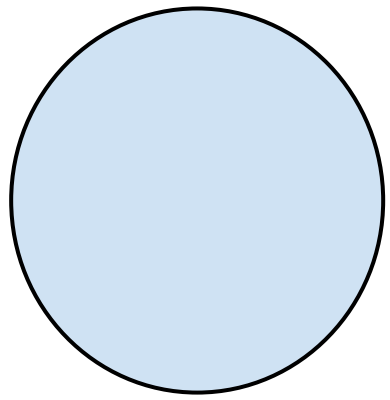
5+2sin2x - 5cosx = 5sinx
5+4sinxcosx-5cosx=5sinx
4sinxcosx-5cosx-5sinx=-5
2(sinx+cosx)^2+3-5cosx-5sinx=0
2(sinx+cosx)^2+3-5(cosx+sinx)=0
t=cosx+sinx
2t^2+3-5t=0
2t^2-5t+3=0
D=25-24=1
x1=(5-1)/4=1
x2=(5+1)/4=3/2=1.5
cosx+sinx=3/2
V(2)(sin(x+p/4))=3/2
sin(x+p/4)=3/2/V2=3/2V2-lie
V(2)(sin(x+p/4))=1
sin(x+p/4)=1/V2
x+p/4=p/4+2pk
x+p/4=3p/4+2pk
x=2pk
x=2p/4+2pk
a*sinx+b*cosx=V(a^2+b^2)(a/V(a^2+b^2)sinx+b/V(a^2+b^2)cos x)=
=V(a^2+b^2)(cosysinx+sinycosx)=V(a^2+b^2)(sin(x+y))=
cosy=a/V(a^2+b^2)
siny=b/V(a^2+b^2)
1*sinx+1*cosx=V(2)(sin(x+p/4))=3/2
cosy=1/V2
siny=1/V2
y=p/4



Ответ **x=2pk**
x=2p/4+2pk

(sinx+cosx)^2=sinx^2+2cosxsinx+cosx^2
1+2cosxsinx