2cosx-sin2x=2+2sinx
2cosx-2sinx*cosx=2+2sinx
cosx-sinx*cosx=1+sinx
-sinx*cosx=1+sinx-cosx

sinx+cosx=t
sin^2x+2sinxcosx+cos^2x=t^2
1+2sinxcosx=t^2
sinx*cosx=(t^2-1)/2

sinx-cosx=t
sin^2x-2sinxcosx+cos^2x=t^2
1-2sinxcosx=t^2
sinx*cosx=(1-t^2)/2
-t-(1-t^2)/2=1
-2t-1+t^2=2
t^2-2t=3
t^2-2t-3=0
t1=3
t2=-1
sinx-cosx=3
V2(sinx*cosa-cosx*sina)=3
cosa=1/V2
sina=1/V2
a=P/4
V2(sinx*cos(P/4)-cosx*sin(P/4)=3
V2sin(x-P/4)=3
sin(x-P/4)=3/V2 - нет решений
sin(x-P/4)=-1/V2
x-P/4=5P/4+2pk
x-P/4=7P/4+2pk
x=6P/4+2pk
x=8P/4+2pk
Ответ:2P+2pk;3P/2+2pk