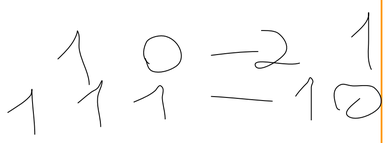
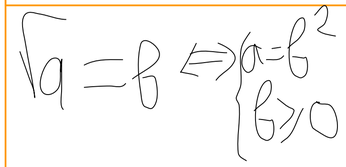
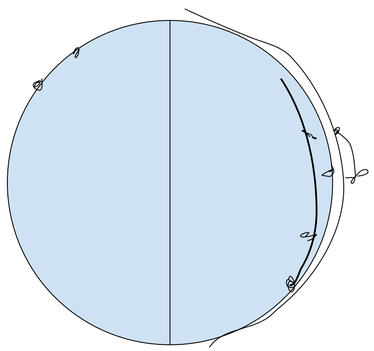
V(sinx + cosx)=cos2x |^2
sinx+cosx=cos^2 2x
cos^2 2x= 1-sin^2 2x
sinx+cosx-1=sin^2 2x
sinx+cosx-1=(2sinx*cosx)^2
sinx+cosx-1=4*sin^2 x*cos^2 x
sinx+cosx=t
t^2=sin^2 x+2sinx*cosx+cos^2 x
t^2=1+2sinx*cosx
sinx*cosx=(t^2-1)/2
t-1=4*((t^2-1)/2)^2
t-1=(t^2-1)^2
t-1=t^4-2t^2+1
t^4-2t^2-t+2=0
t^3+t^2-t-2=0
sinx+cosx=cos^2 2x
sinx+cosx=(cos^2 x - sin^2 x)^2
sinx+cosx=(cosx-sinx)^2*(cosx+sinx)^2
(sinx+cosx)*(1-(cosx+sinx)*(cosx-sinx)^2)=0
sinx+cosx=0
V2*(sinx/V2+cosx/V2)=0
sint=1/V2
cost=1/V2
t=P/4
V2*(sinx*cost+cosx*sint)=0
sin(x+t)=0
x+t=Pn
x+P/4=Pn
x=Pn-P/4
1)x=-P/4+2Pn
2)x=-3P/2+2Pn
(1-(cosx+sinx)*(cosx-sinx)^2)=0
(cosx+sinx)*(cosx-sinx)^2=1
(cosx+sinx)*(cos^2 x-2sinx*cosx+sin^2 x)=1
(cosx+sinx)*(1-2sinx*cosx)=1
cosx+sinx=t
t*(1-2*(t^2-1)/2)=1
t*(1-t^2+1)=1
t*(2-t^2)=1
2t-t^3=1
t^3-2t+1=0
t^2+t-1=0
D=1+4=5
t1=(-1+V5)/2
t2=(-1-V5)/2



sinx+cosx=1
sin(x+P/4)=1/V2
x+P/4=P/4+2Pn
x=2Pn
x+P/4=3P/4+2Pn
x=P/2+2Pn
sinx+cosx=(-1+V5)/2
sin(x+P/4)=(-1+V5)/2V2
x+P/4=arcsin((-1+V5)/2V2)+2Pn
x=arcsin((-1+V5)/2V2)-P/4+2Pn
x+P/4=P-arcsin((-1+V5)/2V2)+2Pn
x=P-arcsin((-1+V5)/2V2)-P/4+2Pn
sinx(x+P/4)=(-1-V5)/2V2 Нет решений



cos2x>=0
-P/2+2Pk<=2x<=P/2+2Pk
-P/4+Pk<=x<=P/4+Pk

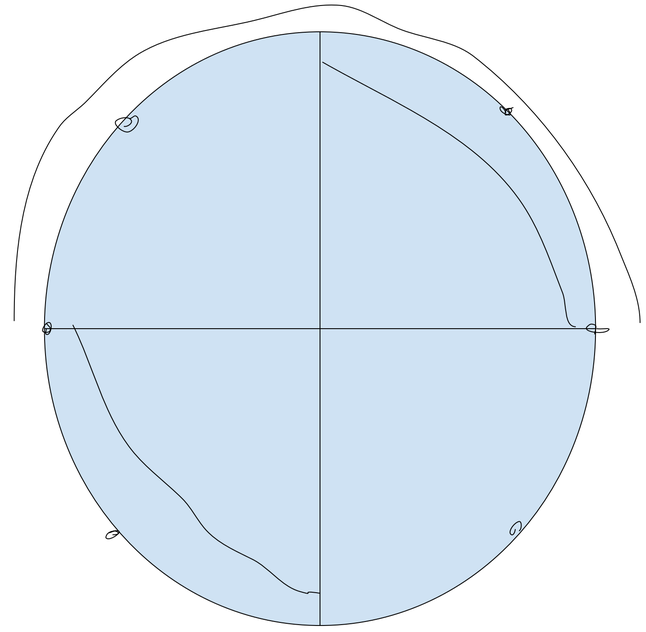


Ответ: -P/4+2Pn; 2Pn; arcsin((-1+V5)/2V2)-P/4+2Pn

V(1-cos2x)=sin2x |^2
1-cos2x=sin^2 2x
sinx^2 2x=1-cos^2 2x
1-cos2x=1-cos^2 2x
cos^2 2x-cos2x=0
cos2x=y
y^2-y=0
y(y-1)=0
y1=0
y2=1
cos2x=0
2x=P/2+Pn
x=P/4+Pn/2
cos2x=1
2x=2Pn
x=Pn

sin2x>=0

2Pk<=2x<=P+2Pk
Pk<=x<=P/2+Pk



Ответ: P/4+Pn; Pn