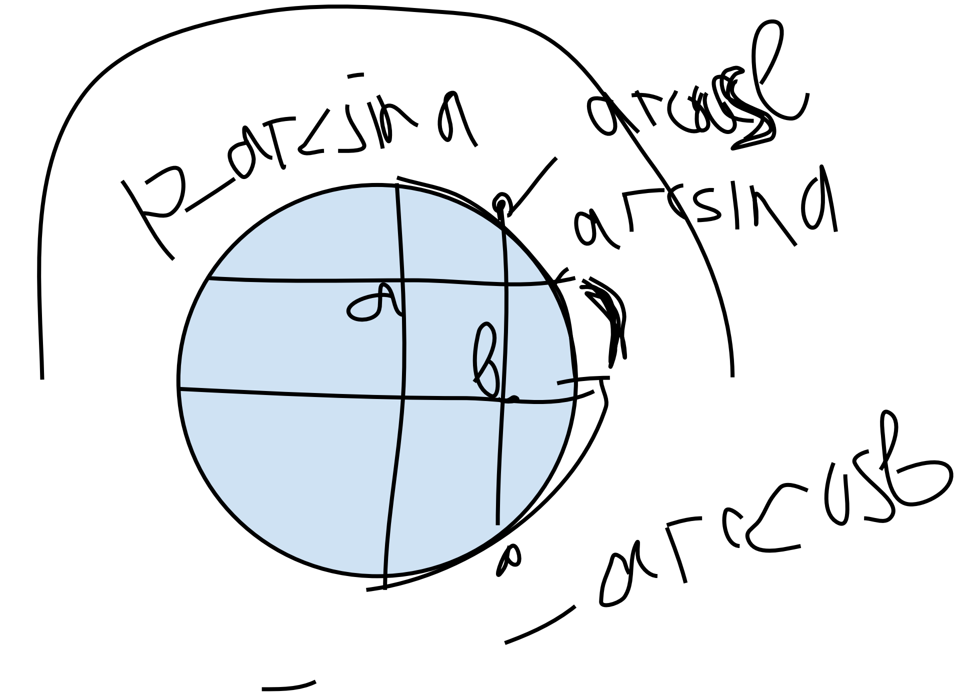
(2+3cos2x)*(V(2cos2x + 3sinx + 3) - 2sinx + 1)=0
(2cos2x + 3sinx + 3)>=0
2sinx - 1>=0
(2+3cos2x)=0
V(2cos2x + 3sinx + 3)=2sinx-1
2cos2x+3sinx+3=4sin^2x-4sinx+1
2-4sin^2x+3sinx+3=4sin^2x-4sinx+1
2+3=8sin^2x-7sinx+1
8sin^2x-7sinx-4=0
sinx=t
8t^2-7t-4=0
D=49+128=177
x1=(7-V(177))/16
x2=(7+V(177))/16
(7-V(177))/16=sinx
(7+V(177))/16!=sinx
x=p-arcsinx((7-V(177))/16)+2pk
x=arcsinx((7-V(177))/16)+2pk
2+3cos2x=0
3cos2x=-2
cos2x=-⅔
2x=+-arccos(-⅔)+2pk
x=+-arccos(-⅔)/2+pk

2sinx>=1
sinx>=½
P/6+2Pk<=x<=5P/6+2Pk

(2+3cos2x)*(V(2cos2x + 3sinx + 3) - 2sinx + 1)=0
(5-6sin^2x)*(V(-4sin^2x + 3sinx + 5) - 2sinx + 1)=0
sinx=t
(5-6t^2)(V(-4t^2+3t+5)-2t+1)=0
5-6t^2=0
6t^2=5
t^2=⅚
t=+-V(⅚) только + подходит
-4t^2+3t+5>=0
-4t^2+3t+5=0
D=9+80=89
t1=(3-V89)/8=-6/8
t2=(3+V89)/8=12/8=3/2
t э ((3-V89)/8;(3+V89)/8)
-V5/V6 < (3-V89)/8
t>=1/2
V(-4t^2+3t+5)-2t+1=0
V(-4t^2+3t+5)=2t-1
8t^2-7t-4=0
D=49+128=177
t1=(7-V(177))/16
t2=(7+V(177))/16
t1=(7-18)/16<1/2
t2=(7+18)/16>1/2
x=p-arcsin(V5/V6)+2pk
x2=arcsin(V5/V6)+2pk
Ответ:arcsin(V5/V6)+2pk, p-arcsin(V5/V6)+2pk



$\sqrt{a} = b$, $b<0$, x_1, x_2

$a \geq 0$

$\sqrt{a} = b$ $\{\cancel{b \geq 0}$ $a = b^2 \geq 0$
$b \geq 0$