cosx*sin(x/4) + 9/10 * sinx +2sin(x/4) * cos(x/2) + sin(x/4) - ½*cos(x/4) - 9/20=0

x лежит в [-9P/2;-3P/2]

cosx*sinx/4 +2sinx/4 * cosx/2+ sinx/4+ 9/10 * sinx - ½*cosx/4 - 9/20=0

sinx/4(cosx +2cosx/2+ 1)+ 9/10 * sinx - ½*cosx/4 - 9/20=0

sinx/4(2cos^2 x/2 -1 +2cosx/2+ 1)+ 9/10 * sinx - ½*cosx/4   - 9/20=0

sinx/4(2cos^2 x/2 +2cosx/2)+ 9/10 * sinx - ½*cosx/4   - 9/20=0

sinx/4(2cosx/2(cos x/2 +1))+ 9/10 * sinx - ½*cosx/4   - 9/20=0

sinx/4(2cosx/2*2(cos x/2 +1)/2)+ 9/10 * sinx - ½*cosx/4   - 9/20=0

sinx/4*2cosx/2*2cos^2 x/4- ½*cosx/4 + 9/10 * sinx   - 9/20=0

cosx/4(4sinx/4*cosx/4*cosx/2- ½)+9/10*sinx-9/20=0

cosx/4(2sinx/2 *cosx/2- ½)+9/10*sinx-9/20=0

cosx/4(sinx- ½)+9/10*sinx-9/20=0

cosx/4(sinx- ½)+9/10*(sinx-½)=0

(sinx-½)(cosx/4+9/10)=0

sinx=½

x=P/6+2Pk

x=5P/6+2Pk

cosx/4=-9/10

x/4=+-arccos(-9/10)+2Pk

x=+-4arccos(-9/10)+8Pk

-9P/2-P/6<=2Pk<=-3P/2-P/6
-9/4-1/12<=k<=-3/4-1/12
-28/12<=k<=-10/12
-7/3<=k<=-⅚
k=-2,-1
x=P/6+2P(-2)=P/6-4P=-23P/6
x=P/6+2P(-1)=x=P/6-2P=-11P/6

-9P/2<=5P/6+2Pk<=-3P/2
-9/2-5/6<=2k<=-3/2-⅚
-33/12<=k<=-14/12
-11/4<=k<=-7/6
k=-2
x=5P/6-4P=-19P/6

-9/16-4arccos(-9/10)/8P<=k<=-3/16-4arccos(-9/10)/8P
-9/16-arccos(-9/10)/2P<=k<=-3/16-arccos(-9/10)/2P
k=-1
x=4arccos(-9/10)-8P
arccos(-9/10)=P => -4P
arccos(-9/10)=5P/6 => 4*5P/6 - 8P=10P/3 - 8P=-14P/3
не годятся по левой границе

-9/16+arccos(-9/10)/P2<=k<=-3/16+arccos(-9/10)/P2
k=0
x=-4arccos(-9/10)

ответ x=-4arccos(-9/10);5P/6-4P=-19P/6;-11P/6;-23P/6.