7/4 * Cos(x/4) = Cos^3 (x/4) + Sin (x/2)

7/4 * Cos(x/4) = Cos^3 (x/4) + 2cos(x/4)*sin(x/4)

cos(x/4)(-cos^2(x/4)-2sin(x/4)+7/4)=0

cos(x/4)=0

x/4=P/2+Pk

x=2P+4Pk

-cos^2(x/4)-2sin(x/4)+7/4=0

sin^2(x/4)-2sin(x/4)+3/4=0

sin(x/4)=z

z^2-2z+¾=0

D/4=1-¾=1/4

z1=1+½=3/2

z1=1-½=1/2

sin(x/4)=3/2

x/4=P/6+2Pk

x=2P/3+8Pk

x/4=P-P/6+2Pk

x=(12P-2P)/3+8Pk

x=10P/3+8Pk

Ответ:2P+4Pk;2P/3+8Pk;10P/3+8Pk