|cosx|=sin3x - 1
0<=|cosx|<=1
-2<=sin3x - 1<=0
|cosx|=0
sin3x =1
x=p/2+pk
3x2=P/2+2pn
x2=p/6+2pn/3

p/2+pk=p/6+2pn/3
6+12k=2+8n
12k-8n=-4
3k-2n=-1
НОД=1
k0=1
n0=2
k=1+2t
n=2-3t
Проверка
3+6t-4+6t=-1
x=p/2+p(1+2t)
Ответ:x=3p/2+2pt