1)sin(x/2+π/3)=2/3

x/2+π/3=(-1)narcsin2/3+πn

x/2=(-1)narcsin2/3-π/3+πn

x=(-1)n 2arcsin2/3-2π/3+2πn

2)π/3-x/4=arcctg5/12+πn

x/4=π/3- arcctg5/12+πn

x= 4π/3- 4arcctg5/12+4πn