(1-3sin^2 x) / sin^2 x=5ctg x

1/sin^2x-3=5ctg x

1+ctg^2x-3-5ctg x=0

ctg x =t

t^2-5t-2=0

D=25+8=33

t1=5+V33/2

t2=5-V33/2

ctgx=5+V33/2

x=arcctg(5+V33/2)+pk

x=arcctg(5-V33/2)+pk