Д3

(sin x + cos x)/cos x + 3sin2x = cos^2 2x + tg x

(sin x + cos x)/cos x + 3sin2x = cos^2 2x + sinx/cos x

sinx/cosx+cosx/cosx+3sin2x=cos^2 2x+sinx/cosx

sinx/cosx+1+3sin2x=cos^2 2x+sinx/cosx

1+3sin2x=cos^2 2x

cos^2 2x-3sin2x-1=0

cos^2 2x=1-sin^2 2x

1-sin^2 2x-3sin2x-1=0

sin^2 2x+3sin2x=0

Sin 2x=t

t^2+3t=0

t1=0

t2=-3

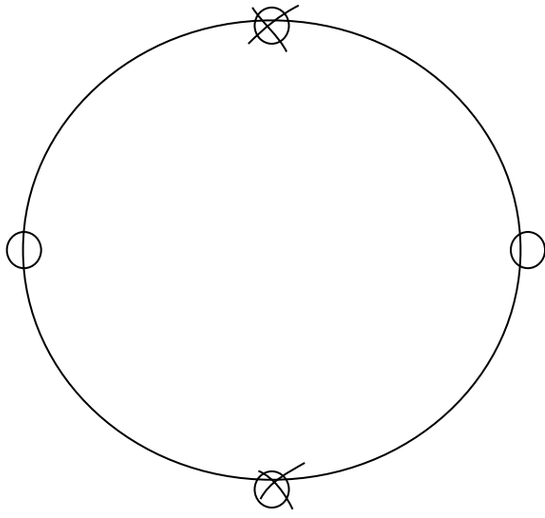
Sin 2x=0

Sin 2x=-3 Нет решений

2x=Pn

x=Pn/2

Ответ: Pn



cosx!=0

x!=P/2+Pn

V(x)+x + 5 = V(x)

x + 5 = 0

x=-5

x>=0