5(sinx + cosx)+sin3x - cos3x =2V2(2+sin2x)
5(sinx + cosx)+-4*sin^3 x + 3*sin x - (-3cosx+4*cos^3 x) =2V2(2+2sinx*cosx)
8(sinx + cosx)+-4*(sin^3 x +*cos^3 x) =2V2(2+2sinx*cosx)
8(sinx + cosx)+-4*(sin^3 x +*cos^3 x) =4V2(1+sinx*cosx)
2(sinx + cosx)-(sin^3 x +*cos^3 x) =V2(1+sinx*cosx)
2(sinx + cosx)-(sin^3 x +*cos^3 x) =V2(1+sinx*cosx)
2(sinx + cosx)-(sinx +*cosx)(sin^2 x - sinx*cosx+cos^2 x) =V2(1+sinx*cosx)
(sinx + cosx)[2-(sin^2 x - sinx*cosx+cos^2 x)] =V2(1+sinx*cosx)
(sinx + cosx)[2-(1- sinx*cosx)] =V2(1+sinx*cosx)
(sinx + cosx)[1+ sinx*cosx] =V2(1+sinx*cosx)
(1+sinx*cosx)[(sinx + cosx)-V2]=0
1+sinx*cosx=0
sinx*cosx=-1

sinx=1 x=P/2+2Pk
cosx=-1 x=P+2Pk

sinx=-1 x=-P/2+2Pk
cosx=1 x=2Pk
нет решений

½ sin2x=-1
sin2x=-2
нет решений

(sinx + cosx)-V2=0
1*sinx + 1*cosx=V2
sin(x + P/4)=1
x=P/4+2Pk

Answer: x = P/4 + 2Pk.