V2*sin(PVx*V(5/x - x + 6)) + V6*cos(P *x*V(5/x^2 + 6/x - 1))=V8

V2sin(PV(-x^2+6x+5))+V6cos(PV(-x^2+6x-5))=V8

sin(PV(-x^2+6x+5)+t)=1

cost=V2/V8=V(¼)=1/2

sint=V6/V8=V(¾)=V3/2

t=P/3

sin(PV(-x^2+6x+5)+P/3)=1

PV(-x^2+6x+5)+P/3=P/2+2Pk

PV(-x^2+6x+5)=P/6+2Pk

P/6+2Pk>=0

1+12k>=0

12k>=-1

k>=-1/12

k>=0

P^2(-x^2+6x+5)=(P/6+2Pk)^2

-x^2+6x+5=1/36+4k^2+2k/3

x^2-6x+(-5+1/36+4k^2+2k/3)=0

D/4=9+5-1/36-4k^2-2k/3=14-1/36-4k^2-2k/3

14-1/36=503/36   k=0

14-1/36-4-⅔=(504-1-144-24)/36=335/36   k=1

14-1/36-16-4/3 k=2 - не подходит

D1=503/36

x1,2=3-+V503/6

D2=335/36

x3,4=3+-V335/6

x>0

5/x - x + 6>=0

x^2-6x-5<=0

D/4=9+5=14

x1,2=3+-V14

xэ[3-V14;3+V14]

xэ(0;+00)

ОДЗ

xэ(0;3+V14]

ОТВЕТ 3+V503/6;3+V335/6.