sin(x+y)=sinx*cosy+siny*cosx
sin(x-y)=sinx*cosy-siny*cosx
cos(x+y)=cosx*cosy-siny*sinx
cos(x-y)=cosx*cosy+siny*sinx

Формулы двойных углов
sin2x=sin(x+x)=sinx*cosx+sinx*cosx=2*sinx*cosx
cos2x=cos(x+x)=cosx*cosx-sinx*sinx=cos^2 x-sin^2 x=
=1-sin^2x-sin^2 x=1-2*sin^2x=
=cos^2 x - (1- cos^2 x)=2*cos^2 x-1

Формулы понижения степени
cos2x=1-2*sin^2 x
cos2x=2*cos^2 x-1

sin^2 x=(1-cos2x)/2
cos^2 x=(cos2x +1)/2

Формулы тройных углов
sin3x=sin(2x+x)=sin2x*cosx+sinx*cos2x=2*sinx*cos^2 x + (1-2*sin^2 x)*sinx=2*sinx*(1-sin^2 x) + (1-2*sin^2 x)*sinx= 2*sinx- 2*sin^3 x+ sinx - 2 sin^3 x=-4*sin^3 x + 3*sin x
sin^3 x =(3*sin x-sin3x)/4

cos3x=cos(2x+x)=cos2x*cosx-sin2x*sinx=(2*cos^2 x-1)*cosx-2*sinx*cosx*sinx=(2*cos^2 x-1)*cosx-2*(1-cos^2 x)*cosx=2*cos^3 x -cosx-2cosx+2*cos^3 x=-3cosx+4*cos^3 x
cos^3=(cos3x+3cosx)/4

5*cos(29)/sin(61)=5*cos(P/2-61)/sin(61)=5