$tg^2(3x-P/4)=3$

$\sin^2(3x-P/4) / \cos^2(3x-P/4) = 3$

$(1-\cos(6x-P/2))/ (1+\cos(6x-P/2))=3$

$1-\cos(6x-P/2)=3(1+\cos(6x-P/2))$

$\cos(6x-P/2)=-2/4$

$\cos(6x-P/2)=-½$

$6x-P/2=+-2P/3 + 2Pk$

$6x=P/2+-2P/3 + 2Pk$

$x=P/12+-P/9+Pk/3$