

4	Use correct trigonometric formulae to form an equation in $\tan x$ only, or an equation in terms of $\sin x$ and $\cos x$ only e.g. $\frac{3}{\tan x} - 4\left(\frac{1 - \tan^2 x}{2 \tan x}\right) = 3$ $\frac{3}{\tan x} - \frac{4}{\frac{2 \tan x}{1 - \tan^2 x}} = 3$ $3 \frac{\cos x}{\sin x} - 4 \frac{\cos^2 x - \sin^2 x}{2 \sin x \cos x} = 3$ $3 \cot x - 4\left(\frac{\cot^2 x - 1}{2 \cot x}\right) = 3$
	Obtain a correct horizontal equation, in $\tan x$ or in $\cos x$ and $\sin x$, in any form
	Reduce equation to a 3-term quadratic Allow if they square both sides and obtain a quartic in $\sin x$ or $\cos x$
	Solve a 3-term quadratic to obtain a value for x The quadratic could be arrived at from a correct cubic Not available if they have an incorrect cubic with an incorrect quadratic factor.
	Obtain one answer, e.g. $(x =) 45^\circ$
	Obtain a second answer, e.g. AWR T $(x =) 26.6^\circ$ and no other in the given interval, e.g. $x = 0$