VD unit 4 topic 4 part 2

1. Given an equation of trigonometric ratio, find another trigonometric ratio

Given	Find
$2\sin^2 x-\sin x-1=0$	$\cos x=\pm\frac{\sqrt{3}}{2},0$
$3\cos^2 x+2\cos x-1=0$	$\tan x=0,\pm2\sqrt{2}$
$2\tan^2 x-11\tan x-6=0$	$\sec x=\pm\frac{\sqrt{5}}{2},\pm\sqrt{37}$
$8\sec^2 x-14\sec x-15=0$	$\sin x=\pm\frac{\sqrt{21}}{5}$
$5\sin^2 x-2=0$	$\tan x=\pm\frac{\sqrt{6}}{3}$
$\sec^2 x-\sec x-6=0$	$\csc x=\pm\frac{2\sqrt{3}}{3},\pm\frac{3\sqrt{2}}{4}$
$\cot^2 x-5\cot x+6=0$	$\cos x=\pm\frac{3\sqrt{10}}{10},\pm\frac{2\sqrt{5}}{2}$
$10\csc^2 x+13\csc x-3=0$	$\tan x=\pm\frac{2\sqrt{5}}{5}$