

Exercise #1



You can look at the top right corner of your screen to check that your Nspire is in degree mode.

If you are in degree mode, use the trig button to find sin.

If you are not in degree mode:

homescreen

Settings

Document Settings

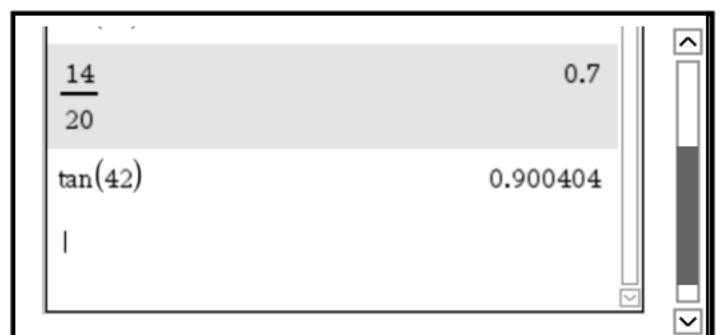
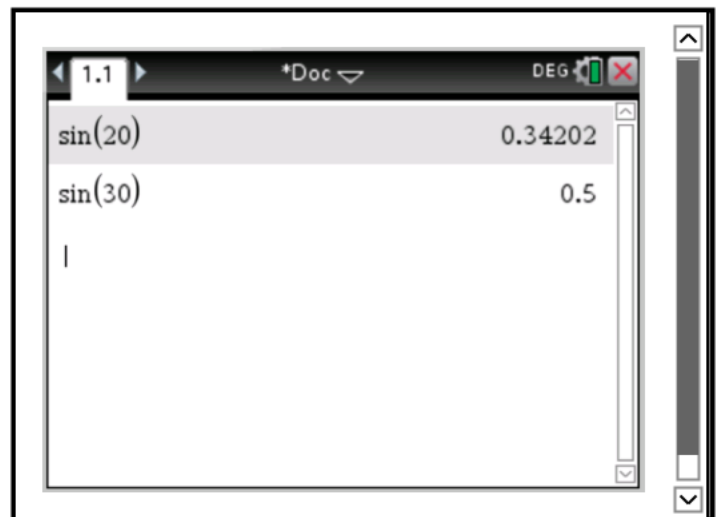
tab to Angle box

click on arrow at the end of the box

choose Degree

Click on Make Default

Exercise #2



Exercise #3

Exercise #3

Exercise #4

Press the trig button to find the inverse trig functions.

1.1		*Doc	DEG
$\sin(34)$	0.559193		
$\frac{14}{25}$	0.56		
$\cos(34)$	0.829038		
$\frac{11}{17}$	0.647059		

1.1		*Doc	DEG
$\frac{11}{17}$		0.647059	
$\sin(28)$		0.469472	
$\tan(33)$		0.649408	
$\frac{20}{41}$		0.487805	

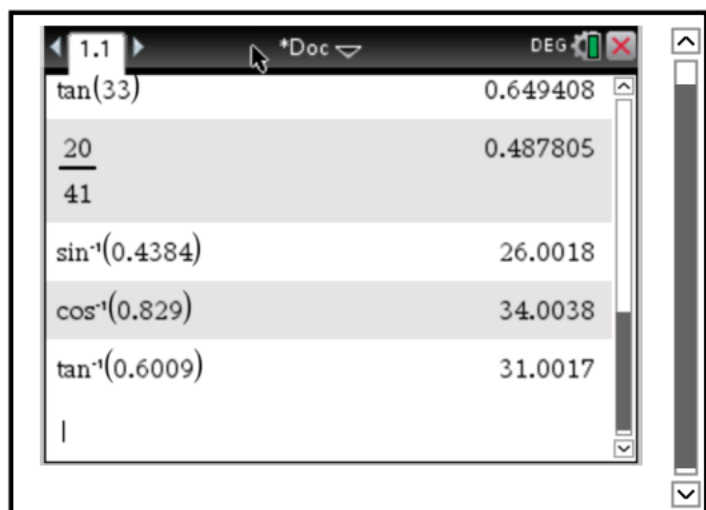
The image shows a scientific calculator interface. At the top, there is a status bar with '1.1', '*Doc', and 'DEG'. The main display area shows a list of functions and their values:

Function	Value
$\frac{11}{17}$	0.647059
$\sin(28)$	0.469472
$\tan(33)$	0.649408
20	0.487805

A pop-up menu is visible at the bottom, listing trigonometric functions and their inverse functions:

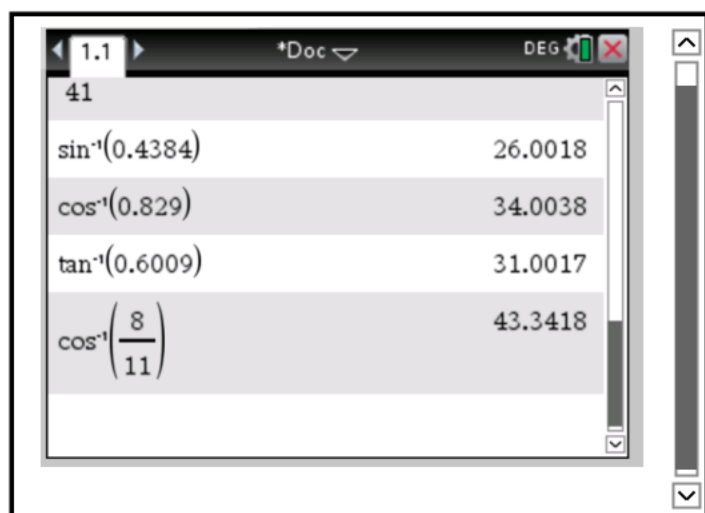
Function	Value				
sin	cos	tan	csc	sec	cot
\sin^{-1}	\cos^{-1}	\tan^{-1}	\csc^{-1}	\sec^{-1}	\cot^{-1}

Exercise #5



A TI-84 Plus calculator screen showing trigonometric calculations in degree mode. The mode is set to DEG. The screen displays the following results:

$\tan(33)$	0.649408
$\frac{20}{41}$	0.487805
$\sin^{-1}(0.4384)$	26.0018
$\cos^{-1}(0.829)$	34.0038
$\tan^{-1}(0.6009)$	31.0017



A TI-84 Plus calculator screen showing trigonometric calculations in degree mode. The mode is set to DEG. The screen displays the following results:

41	
$\sin^{-1}(0.4384)$	26.0018
$\cos^{-1}(0.829)$	34.0038
$\tan^{-1}(0.6009)$	31.0017
$\cos^{-1}\left(\frac{8}{11}\right)$	43.3418