Trig on the Calculator

The scientific calculator is quite a bit easier for this unit, but you should learn how to do everything on both calculators!

	Graphing Calculator	Scientific Calculator
Degree Mode / Radian Mode		
You MUST make sure you are in the correct mode before each question so that you get the right answer!!	Press [mode]. Use arrows to highlight mode. Press [enter]. Press [clear]. Do calculation.	Press DRG button. Use arrows to underline mode. Press [ENTER]. Do calculation
Now try these examples on your calculator: $\sin 214° = -0.5592$ $\cos 2\pi = 1$		
Entering Degrees/Minutes/Seconds (D°M'S")		
Just like with hours, there are 60 minutes in a degree and 60 seconds in a minute.	Press given trig function button. Enter degrees value. Press [2nd][apps] for the angle menu. Enter the minutes value. Press [2nd][apps] for the angle menu. Enter the seconds value. Press [alpha][+] to get ". Do calculation.	Scientific calculator is easier!! All the symbols are on their own butt
Now try these examples on your calculator: $\cos 56°15' = 0.5556$ $\tan 45°12'56" = 1.008$		
Reciprocal Functions		
For all calculator types, make sure you are in the correct mode (degrees or radians). Type in 1 [÷] and the reciprocal function with the given angle.		
Now try these examples on your calculator: $\csc 35° = 01.7434$ $\sec 2.7 = -1.1061$ … this angle was in radians!!		
Inverse Functions		
You use inverse functions when given the ratio and asked for the angle. First, make sure you are in the correct mode!	Correct mode? Type in the given ratio. Press [2nd] and the trig button. Press [enter].	Same as graphing calculator!
Now try this example on your calculator: $\sin\theta = 0.3329$ $\theta = \sin^{-1}(0.3329) = 19.4449 = 19°26'42"$ ← with 19.4449 on your screen, find >DMS.		