## T-3 NOTES

Use your calculator to find $\boldsymbol{\operatorname { s i n }} \mathbf{4 6 ^ { \circ }} \mathbf{1 8}^{\prime}$ give answer to 4 places after the decimal. . 7230

What if we wanted $\csc 46^{\circ} 18^{\prime}$ instead? Our calculator does not have a CSC button.

We know: $\csc A=\frac{1}{\sin A} \quad$ so... $\csc 46^{\circ} 18^{\prime}=\frac{1}{\sin 46^{\circ} 18^{\prime}}=\frac{1}{.7230}$
use your calculator to get 1.3832 to use your calculator to get this first find $\quad$ sin $\mathbf{4 6} \mathbf{1 8}^{\prime}$ then hit the key that says

Try $\sec 83^{\circ} 36^{\circ}$

First, write the fraction that it is equal to in terms of either sin, cos or tan
$\sec 83^{\circ} 36^{\prime}=\frac{1}{\cos 83^{\circ} 36^{\prime}}=8.9711$
then solve
to use your calculator to get this first find $\cos 83^{\circ} 36^{\prime}$ then hit the key that says
$\boldsymbol{x}^{-1}$ it is under the word MATRIX

Now, what if this is the question $\sec A=1.8652$ ?

Well...what are we looking for a ratio or an angle?

So, we need to find the $\boldsymbol{\operatorname { a r c }} \sec (1.8652)=\boldsymbol{A} \quad$ but we don't have that button (6)


57 $35^{\prime}$


