

Table: Trigonometric Functions at Reference Angles

$\theta^\circ$	$\theta$ (rad)	$\sin \theta$	$\cos \theta$	$\tan \theta$	$\csc \theta$	$\sec \theta$	$\cot \theta$
0							
30							
45							
60							
90							
120							
135							
150							
180							
210							
225							
240							
270							
300							
315							
330							
360							

## Tips for Filling in the Chart

1. Remember  $\sin(30^\circ) = 1/2$
2. Make liberal use of the cofunctions.
3. Fill in the sine and cosine first, all others use Reciprocal and Ratio IDs when you get stuck.
4. Looking down the column of angle measures make a note as to which quadrant you're dealing with.
5. First fill in the chart using just absolute values, adjust the signs using CAST.