Index Card #18 (Back & Front)

Reciprocal Functions

Take the Reciprocal of the Value of the Function that you Know

Inverse Trig Functions

sin -1 x OR Arc sin x cos-1 x OR Arc cos x tan-1 x OR Arc tan x

Restricted

Positive Angle Positive Angle Positive Angle

Negative Negative Angle Negative Ref Angle QII Negative Negative Angle

Trig Equations

**Steps:**

1. Make sure that you are in one function --- if not use an identity to make a substitution

2. If the function is not squared then isolate the function

3. If the function is squared then you need to get everything on one side = 0 --- keep the squared

term positive

4. Solve

5. Now ask yourself what angle has a sin (cos) (tan) of that # --Remember the chart & unit circle

If not on the Chart or Unit Circle Use the Calc – 2nd sin (cos) (tan)

Pay Attention to Rounding … Remember Nearest Minute 2nd APPS

(Angle Menu) DMS

This is your reference angle Also the Max of sin or cos is 1 Min -1

6. What quadrants are you in? Look to see if the answer when solving is a positive or negative

7. Draw it out ---- put in reference angles

8. Find the angles --- These are you answers