**Reference Angles** 

Ex1 : Find sin  $215^{\circ}$ .

How do you draw a triangle with a  $215^{\circ}$  angle in it?

In order to solve trig problems with angles bigger,

We use a reference angle.

To make the triangle  $\rightarrow$  ALWAYS draw a side from the end of the terminal side either DOWN or UP to the x-axis.

The reference angle is the acute angle in this triangle.

To find the reference angle for:

