

Functions & Trig
More with Radian Angles HW

Name _____

$$1 \text{ degree} = \frac{\pi}{180} \text{ radians}$$

$$1 \text{ radian} = \frac{180}{\pi} \text{ degrees}$$

1.) Convert 140° to radian measure.

2.) Convert 300° to radian measure.

3.) Convert $\frac{23\pi}{12}$ radians to degree measure.

4.) Convert $\frac{5\pi}{4}$ radians to degree measure.

5.) Convert 4 radians to degree measure. Round to the *nearest degree*.

6.) Express -130° in radian measure, *to the nearest hundredth*.

7.) Sketch the angle $\frac{13\pi}{20}$ radians in standard position and label it θ .

Sketch, identify and label the reference angle, α .

