Vocabulary

Radian- _____

Rule:

- To covert degrees to radians: _____

- To convert radians to degrees: _____

Change the following degrees to radians:

1. 15^0 　　　　　 2. -240^0 　　　　　 3. 390^0

Change the following radians to degrees:

4. $\frac{\pi}{2}$ 　　　　　 5. $-\frac{5\pi}{6}$ 　　　　　 6. 1.57

Using the Unit Circle

Example 1:

You start at $(0, 1)$ and travel $\frac{5\pi}{6}$ radians counterclockwise. What quadrant would you be in? _____

Example 2:

You start at $(-1, 0)$ and travel $\frac{\pi}{4}$ radians clockwise. What quadrant would you be in? _____

Example 3:

You start at $\frac{7\pi}{6}$ and travel π radians clockwise. Exactly where do you end up?

_____

Example 4:

You start at $\frac{7\pi}{4}$ and travel $\frac{3\pi}{2}$ radians clockwise. Exactly where do you end up?

_____

Example 5:

You start at $\frac{11\pi}{6}$ and travel $\frac{2\pi}{3}$ adians counterclockwise. Exactly where do you end up?

_____