**Trigonometry**

**Practice with Radian Measure**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Example 1:** Convert from degrees to radians. Leave answers in terms of π.

1. 30o
2. 45 o
3. 60o

**Example 2:** Convert from radians to degrees.

1. $\frac{3π}{2}$
2. π
3. 6

**Example 3:** Find any coterminal angle and find the reference angle in radians:

1. $\frac{3π}{4}$
2. $\frac{11π}{6}$
3. $\frac{5π}{3}$

**Example 4:** Find the exact value of the following expressions:

1. sin$\frac{7π}{4}$
2. tan$\frac{5π}{6}$
3. cot$\frac{3π}{2}$
4. csc$\left(\frac{-π}{2}\right)$