**6.0 Review of Trigonometry**

**Radian –**

Converting Degrees to Radians –

 Ex. 240° =

Converting Radians to Degrees –

 Ex.  =

**Standard Position Angles –**

**Coterminal Angles –**

Ex. Give two positive and two negative angles that are coterminal to 

**Reference Angles –**

Ex. Give the reference angle for each of the following standard position angles

 200° = 12.3° =  =  =

**Special Triangles and Special Angles**

45˚ - 45˚ - 90˚ triangle 30˚ - 60˚ - 90˚ triangle



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **0˚** | **30˚** | **45˚** | **60˚** | **90˚** |
| **sin**  |  |  |  |  |  |
| **cos**  |  |  |  |  |  |
| **tan**  |  |  |  |  |  |
| **csc**  |  |  |  |  |  |
| **sec**  |  |  |  |  |  |
| **cot**  |  |  |  |  |  |

Evaluate the following (give exact answers):

  =   =

Given the point  on the terminal side of angle , determine the value of all 6 trigonometric functions.

Find all angles *x*, such that and 