

Unit 6 Learning Targets

Name _____ Date _____ Period _____

| Learning Target | Assessment | M.L. 4 | M.L. 3 | M.L.2 | M.L.1 |
|---|--|--------|--------|-------|-------|
| 1. I can convert angles from degrees to radians and from radians to degrees. | 6.1, 6.4, 6.5, 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 2. I can use the arc length formula to find arc length, angle measure or radius of a circle. | 6.1, 6.2 Activities, Quizzes, Reviews & Test | | | | |
| 3. I can find the area of a sector using the formula. | 6.2 Activities, Quizzes, Reviews & Test | | | | |
| 4. I can convert an angular speed to a linear speed or linear speed to angular speed. | 6.2 Activities, Quizzes, Reviews & Test | | | | |
| 5. I can find positive and negative coterminal angles for a given angle. | 6.1, Activities, Quizzes, Reviews & Test | | | | |
| 6. I can find the six trig. ratios for a right triangle. | 6.3, Activities, Quizzes, Reviews & Test | | | | |
| 7. I can use trig. ratios from the special right triangles to find an angle or leg of a triangle. Ex. Find θ if $\sin \theta = \frac{1}{2}$. | 6.3, 6.4, 6.5. 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 8. I can evaluate exact values of the trig. functions by using a reference triangle (unit circle). Ex. $\tan(\pi/4)$ | 6.3, 6.4, 6.5. 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 9. I can find the six trig. functions for θ , given a point in the coordinate plane. | 6.4, 6.5. 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 10. I can evaluate an inverse trig. expression. Ex $\sin^{-1}\left(\frac{1}{2}\right)$ | 6.5. 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 11. I can use technology to evaluate solutions. | 6.5. 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 12. I can evaluate a trig. composition. Ex $\cos\left(\sin^{-1}\left(\frac{1}{2}\right)\right)$ | 6.5, 6.6 Activities, Quizzes, Reviews & Test | | | | |
| 13. I can find all solutions for equations involving trig. functions. | 6.6 Activities, Quizzes, Reviews & Test | | | | |

Mastery Level 4 = I've got this - I can teach this to others. **Mastery Level 3** = I understand - I can do this by myself.**Mastery Level 2** = I mostly get it - I can do this with help. **Mastery Level 1** = I don't understand - I cannot do this yet.