**Unit 4: Trigonometry**

Use the *Check Point* to check and reflect before completing the *Test Your Understanding Quiz* for

*Unit 4: Trigonometry*.

I understand how to:

|  |  |  |  |
| --- | --- | --- | --- |
| *Unit 4* Concepts | Place a checkmark in the appropriate column | | |
|  | Yes | No | Maybe |
| Sketch an angle in standard position |  |  |  |
| Determine the reference angle for an angle in standard position |  |  |  |
| Determine angles in standard position that have the same reference angle, from 0° to 360° |  |  |  |
| Describe that any angle from 90° to 360° is the reflection in the  *x*-axis and/or the *y*-axis of its reference angle |  |  |  |
| Determine in which quadrant an angle in standard position terminates |  |  |  |
| Draw an angle in standard position, given coordinates of a point on its terminal arm |  |  |  |
| Show that points (*x*, *y*), (*x*, –*y*), (–*x*, *y*), and (–*x*, –*y*) are points on the terminal arm of angles in standard position that all have the same reference angle |  |  |  |
| Use the Pythagorean Theorem to determine the distance from the origin to a point on the terminal arm of an angle |  |  |  |
| Determine the exact value of sin *θ*, cos *θ*, and tan *θ* at any point on the terminal arm of angle *θ* |  |  |  |
| Determine the sign of a trigonometric ratio, given the angle in standard position |  |  |  |
| Solve basic trigonometric equations |  |  |  |
| Sketch a diagram involving a triangle without a right angle |  |  |  |
| Solve non-right triangles using primary trigonometric ratios, the sine law, or the cosine law |  |  |  |
| Describe and explain the ambiguous case for the sine law |  |  |  |
| Solve problems using trigonometry |  |  |  |

If you have any concerns from the *Check Point*, please refer to *Enhance Your Understanding* for designated practice questions and their solutions to help you improve your skills.

Contact your teacher for assistance and clarification as needed.

You have completed *Unit 4: Trigonometry*. Please continue with *Unit 5: Rational Expressions and Equations*.

Complete the *Test Your Understanding Quiz* when you have reviewed the feedback provided by your marker for your *Unit 4 Assignments.*