Secondary Math 3

Concept: \_\_\_\_\_\_angle measure, co-terminal, reference angles, \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Learning Objective:** I know…I can… | **Assessment Examples:** |
| 1. I can graph an angle in standard position
2. I can find reference angles
 | **Sketch the angle in standard position and find its reference angle.** 22.  Reference Angle:\_\_\_\_\_ |
| 1. I can find positive and negative co-terminal angles.
 |  Which of the following angles is not coterminal with the other three?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 591 | b. | 51 | c. | –129 | d. | 231 |

 |
| 1. I can use reference angles along with the special triangles to evaluate sin cos and tan of multiples of 30, 45, 60
 | Find find the exact value of =\_\_\_\_\_\_\_ =\_\_\_\_\_\_\_ |
| 1. I can find the location of the terminal side of an angle given the value of 2 trig functions of that angle.
 |  Suppose ** is an angle in the standard position whose  and tan >0Find the exact value of \_\_\_\_\_\_\_ |

**Launch:** (How will you begin your lesson to help students make connections to material already learned and help students understand why they are learning the new concept?)

**Explore:** (How will you allow students to construct their own understandings?)

**Discuss:** (How will you share students’ learning and assure all students have a minimal level of understanding?)

**Summarize:** (How will you help students understand what they learned, why they learned it, how does it connect to what you already know?)