**ALGEBRA 3/TRIGONOMETRY NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**REVIEW FOR UNIT TEST**

**FOR EACH ANGLE, PERFORM THE FOLLOWING:**

1. **DRAW THE ANGLE IN STANDARD POSITION**
2. **FIND 2 CO-TERMINAL ANGLES (1 POS. 1 NEG.) WITH THE ANGLE GIVEN**
3. **DETERMINE THE QUADRANT**
4. **DETERMINE THE REFERENCE ANGLE**
5. 225° 2. –π/3
6. GRAPH

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. QUADRANT: \_\_\_\_\_\_\_\_ QUADRANT: \_\_\_\_\_\_\_\_\_\_
2. REFERENCE: \_\_\_\_\_\_\_\_ REFERENCE: \_\_\_\_\_\_\_\_\_\_

**CONVERT THE FOLLOWING ANGLES TO RADIANS:**

1. 450° = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. -200° = \_\_\_\_\_\_\_\_\_\_\_\_ 5. 155° = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**CONVERT THE FOLLOWING ANGLES TO DEGREE MEASURE:**

6. -4π/7 = \_\_\_\_\_\_\_\_\_\_\_\_\_ 7. 3π/4 = \_\_\_\_\_\_\_\_\_\_\_\_ 8. 21π/6 = \_\_\_\_\_\_\_\_\_\_\_\_

**CONVERT THE FOLLOWING REVOLUTIONS TO RADIANS:**

9. 3 REVOLUTIONS CLOCKWISE= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ RADIANS

10. ½ REVOLUTION COUNTER-CLOCKWISE = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ RADIANS

11. 2 REVOLUTIONS COUNTER CLOCKWISE = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DEGREES

12. ¾ REVOLUTIONS CLOCKWISE = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DEGREES

**USING YOUR PINK SHEET, FIND THE VALUES OF THE FOLLOWING TRIG FUNCTIONS:**

13. Sin -90° = \_\_\_\_\_\_\_\_ 14. Cos 3π/4 = \_\_\_\_\_\_\_\_\_\_\_\_\_ 15. Tan 225° = \_\_\_\_\_\_\_\_\_\_\_

16. Cos 120° = \_\_\_\_\_\_\_\_ 17. Sin -30° = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 18. Tan –π = \_\_\_\_\_\_\_\_\_\_\_\_

19. Csc 60° = \_\_\_\_\_\_\_\_\_ 20. Cot (-5π/4) = \_\_\_\_\_\_\_\_\_\_\_ 21. Sec 315° = \_\_\_\_\_\_\_\_\_\_\_

**USE PYTHAGOREAN THEOREM AND SOHCAHTOA TO FIND THE VALUES OF ALL 6 TRIG FUNCTIONS.**

22. A POINT (-12, 30) IS ON THE TERMINAL SIDE OF AN ANGLE IN STANDARD POSITION. DRAW A PICTURE OF THE ANGLE, AND DETERMINE THE EXACT VALUES OF THE SIX TRIG FUNCTIONS.

SIN θ = \_\_\_\_\_\_\_\_\_\_\_\_ CSCθ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

COS θ = \_\_\_\_\_\_\_\_\_\_\_ SEC θ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TAN θ = \_\_\_\_\_\_\_\_\_\_ COT θ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_