**HW 1 – RADIANS, DEGREES, REFERENCE AND COTERMINAL ANGLES NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**I. Convert the following to degrees or radians.**

2. 4.

5. 6. 7. 8.

**II. Sketch the following in standard form. Determine the quadrant in which its terminal side lies.**

9. 10.

11. 12.

**III. Find the reference angles of the following and state which quadrant the terminal side lies in:**

13. 14.

15. 16.

17. 18.

**IV. Find two positive and two negative coterminal angles for each of the following:**

19. 20. 21.

**V. Determine if each pair are coterminal angles:**

22. 23.

**VI. Find the coterminal angle of the given angle with given number of rotations:**

24. , 2 rotations counterclockwise 25. , 4 clockwise rotations

**VII. Measure the angle with given rotation. WRITE YOUR ANSWER IN DEGREES AND RADIANS.**

26. rotation, clockwise 27. rotation, counterclockwise

28. rotation, clockwise 29. rotation, counterclockwise