4th quarter Angle measurement : Study Guide 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Draw a 30 degree angle here 2. Draw a 60 degree angle here

3. Draw a 90 angle here 4. Draw a 120 degree angle here

5. Sally had a **circular** birthday cake. She wants to share it evenly among herself and her 9 friends. What will be the angle

measure of each slice of cake? Answer here \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the cake here 🡪

6. Draw an **equilateral** triangle. What is the measure of each angle? \_\_\_\_\_\_\_ Draw all the lines of symmetry? \_\_\_\_\_\_

Draw the triangle here 🡪

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Study Guide 2

7. Draw an isosceles triangle. If the two base angles (bottom) are 50 degrees each, what is the measurement of the third angle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw and show markings of this isosceles triangle here 🡪

8. Draw a clock and label it 1-12. Draw the clock here 🡪

What is the **measure** (number) of the angle formed when a clock’s hands are exactly on the 1 and 7? (Hint: What is the angle of a complete circle?) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Draw a circle here for the problem below🡪

A lawn sprinkler rotates 65 degrees, pauses and then rotates another 65 degrees and stops. If the sprinkler will rotate

completely around, how much angle is left for the sprinkler to complete the rotation? Answer here \_\_\_\_\_\_\_\_\_\_\_

<s is 25; <n is a right angle; what is < p?

How many degrees is the angle below? \_\_\_\_\_\_\_

< s = 25 What is this angle called? \_\_\_\_\_\_\_\_\_\_\_\_

s p < p = \_\_\_\_\_\_\_

10. n 11.

Study Guide 3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

30 35

12. Q 13.

Start with a straight angle and take away an acute angle. What do you have left?

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

14. B

If the angle in Circle A measures 40 degrees, what is the measure of the angle in Circle B? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. Felicity wants to do a 360 on her skateboard. She can rotate 225. How many more degrees will she need to rotate to meet her goal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Show using the visual:

16. Combine a right angle with an acute angle. What kind of angle do you now have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the visual of this problem here 🡪