Grade 6 Angle Review – Take-Home Study Sheet

Name: _____   **Date:** _____

Part A: Knowledge & Understanding

1. Draw an angle that is **between 200° and 300°**. Label its measure.

(Think: this is a reflex angle.)

2. What does it mean for two angles to be **complementary**? What does it mean for two angles to be **supplementary**?

Give one example of each using your own numbers.

3. An angle is **72°**.

a) What is its **supplement**?

b) What is its **complement**?

Part B: Thinking & Investigation

4. Angles C and D are **opposite (vertical) angles**.

Angle C = **146°**.

What is the measure of Angle D? Explain how you know.

5. A triangle has angles measuring **44°** and **79°**.

Find the third angle. Show your work.

Part C: Communication

6. Explain how you can use **opposite (vertical)** or **supplementary angles** to find a missing angle in a diagram that has intersecting lines.

7. An angle is shown as a turn of **140°** from a starting ray.

Explain how you could describe that same angle using a **clockwise rotation**.

Part D: Application

8. A quadrilateral has three angles with the following measures:

- 95°

- 87°

- 112°

- w°

Find **w°** and show your reasoning.

9. A reflex angle measures **250°** when measured **counterclockwise**.

How would you describe this angle if you measured it **clockwise** instead?