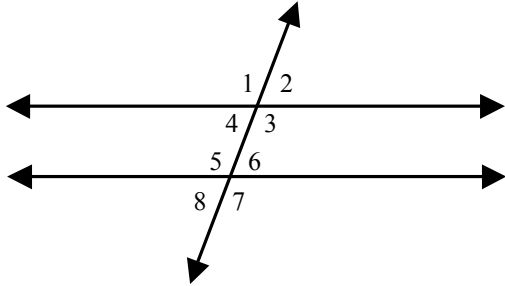


Name _____ Per. ____

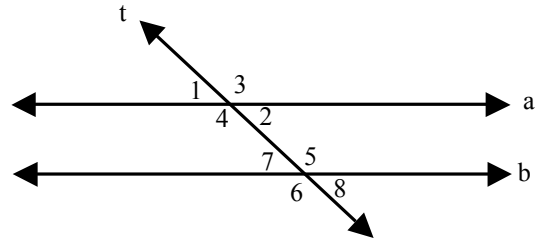
Angles, Angles, Angles

Part One: Use the figure below to answer questions 1-9.



- Which two angles are supplementary?
 - $\angle 1$ and $\angle 3$
 - $\angle 2$ and $\angle 6$
 - $\angle 4$ and $\angle 6$
 - $\angle 7$ and $\angle 8$
- Which two angles are alternate exterior?
 - $\angle 1$ and $\angle 3$
 - $\angle 2$ and $\angle 6$
 - $\angle 4$ and $\angle 7$
 - $\angle 7$ and $\angle 1$
- Which of the following two angles are congruent?
 - $\angle 1$ and $\angle 4$
 - $\angle 4$ and $\angle 5$
 - $\angle 1$ and $\angle 5$
 - $\angle 7$ and $\angle 8$
- Which two angles are corresponding?
 - $\angle 4$ and $\angle 8$
 - $\angle 4$ and $\angle 6$
 - $\angle 1$ and $\angle 2$
 - $\angle 2$ and $\angle 8$
- If $\angle 2$ is 70° , what is the measure of $\angle 1$?
 - 70°
 - 20°
 - 110°
 - 180°
- If $\angle 2$ is 70° , what is the measure of $\angle 4$? ____
- If $\angle 2$ is 70° , what is the measure of $\angle 6$? ____
- If $\angle 2$ is 70° , what is the measure of $\angle 3$? ____
- If $\angle 2$ is 70° , what is the measure of $\angle 7$? ____

Part Two: Use the figure below to answer questions 10 – 17:



- If $\angle 6$ measures 106° , what is the $m\angle 7$?
 - 106°
 - 74°
 - 90°
 - 180°
- If $\angle 6$ measures 106° , what is the $m\angle 1$?
 - 106°
 - 74°
 - 90°
 - 180°
- What is the vertical angle of $\angle 4$? ____
- What is the vertical angle of $\angle 7$? ____
- Are $\angle 1$ and $\angle 3$ congruent to each other? ____
- Are $\angle 2$ and $\angle 7$ congruent to each other? ____
- Lines a and b are: parallel or perpendicular?
(circle one)
- Line t is a parallel line or a transversal?
(circle one)

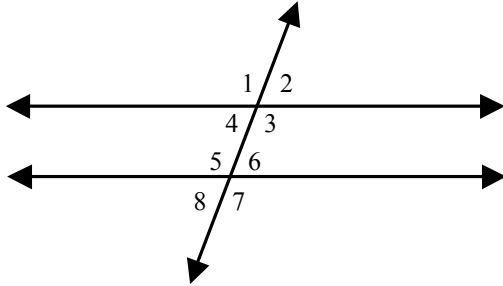
Part Three: Answer the following questions:

- What do complementary angles add up to? ____
- What do supplementary angles add up to? ____
- If an angle measures 60° , is it:
 - Acute
 - Obtuse
 - Right
 - Straight
- If an angle measures 91° , is it:
 - Acute
 - Obtuse
 - Right
 - Straight

Name Answer Key Per.

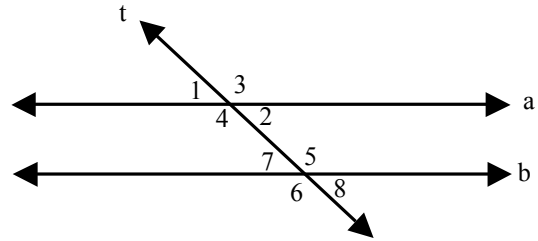
Angels, Angles, Angles

Part One: Use the figure below to answer questions 1-9.



- Which two angles are supplementary?
 - $\angle 1$ and $\angle 3$
 - $\angle 2$ and $\angle 6$
 - $\angle 4$ and $\angle 6$
 - $\angle 7$ and $\angle 8$
- Which two angles are alternate exterior?
 - $\angle 1$ and $\angle 3$
 - $\angle 2$ and $\angle 6$
 - $\angle 4$ and $\angle 7$
 - $\angle 7$ and $\angle 1$
- Which of the following two angles are congruent?
 - $\angle 1$ and $\angle 4$
 - $\angle 4$ and $\angle 5$
 - $\angle 1$ and $\angle 5$
 - $\angle 7$ and $\angle 8$
- Which two angles are corresponding?
 - $\angle 4$ and $\angle 8$
 - $\angle 4$ and $\angle 6$
 - $\angle 1$ and $\angle 2$
 - $\angle 2$ and $\angle 8$
- If $\angle 2$ is 70° , what is the measure of $\angle 1$?
 - 70°
 - 20°
 - 110°
 - 180°
- If $\angle 2$ is 70° , what is the measure of $\angle 4$? 70°
- If $\angle 2$ is 70° , what is the measure of $\angle 6$? 70°
- If $\angle 2$ is 70° , what is the measure of $\angle 3$? 110°
- If $\angle 2$ is 70° , what is the measure of $\angle 7$? 110°

Part Two: Use the figure below to answer questions 10 – 17:



- If $\angle 6$ measures 106° , what is the $m\angle 7$?
 - 106°
 - 74°
 - 90°
 - 180°
- If $\angle 6$ measures 106° , what is the $m\angle 1$?
 - 106°
 - 74°
 - 90°
 - 180°
- What is the vertical angle of $\angle 4$? 3
- What is the vertical angle of $\angle 7$? 8
- Are $\angle 1$ and $\angle 3$ congruent to each other? No
- Are $\angle 2$ and $\angle 7$ congruent to each other? Yes
- Lines a and b are: parallel or perpendicular?
(circle one)
- Line t is a parallel line or a transversal?
(circle one)

Part Three: Answer the following questions:

- What do complementary angles add up to? 90°
- What do supplementary angles add up to? 180°
- If an angle measures 60° , is it:
 - Acute
 - Obtuse
 - Right
 - Straight
- If an angle measures 91° , is it:
 - Acute
 - Obtuse
 - Right
 - Straight