Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Foundations of Geometry Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Unknown Angles REVIEW**

I. Vocabulary

 A. Vertex, Sides, Angles

 B. Acute, Right, Obtuse, Straight Angles

 C. Supplementary angles add up to \_\_\_\_\_\_\_\_\_\_\_\_

 D. Complementary angles add up to \_\_\_\_\_\_\_\_\_\_\_\_

 E. Adjacent angles share a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 F. Linear pairs add up to \_\_\_\_\_\_\_\_\_\_\_\_

 G. Vertical Angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 H. Consecutive Adjacent Angles on a Line add to \_\_\_\_\_\_\_\_\_\_\_\_

 I. Angles Around a Point add to \_\_\_\_\_\_\_\_\_\_\_\_

II. Name all sides, vertices, and angles. Be sure to name each angle four (4) different ways.

1.



Sides \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Angles

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

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

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

III. Identify if the following angles are acute, straight, right, or obtuse

2. 127 3. 90 4. 179 5. 81 6. 180

7.  8.  9.  10. 

IV. Solve for $x $the missing angles

|  |  |  |
| --- | --- | --- |
| 11. | 12. | 13. |
| 14. | 15. | 16. |
| 17. | 18. | 19. |
| 20. | 21. | 23. |

24. What is the complement of $42°$? 25. What is the supplement of $111°$?

25. What is the complement of $11°$? 26. What is the supplement of $15°$?

|  |  |
| --- | --- |
| 27. Solve for $x$ and find $∠MOP$ | 28. Solve for $x$ and find $∠COD$ |
| 29. Solve for $x$ and find both angles | 30. Solve for $x$ and find both angles |

|  |  |
| --- | --- |
| 31. Solve for $x$ and find both angles | 32. Solve for $x$ and find both angles |
| 33. Solve for $x$ and find both angles | 34. Solve for $x$ and find all angles |
| 35. Solve for $x$ and find all angles | 36. Solve for $x$ and find both angles |