**H. Geometry – Bellwork #36 Date: \_\_\_\_\_\_\_\_\_\_**

Complete the statements below:

1. If a transversal intersects two parallel lines, then corresponding angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. If a transversal intersects two parallel lines, then same-side interior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. If a transversal intersects two parallel lines, then alternate interior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Use the diagram below to answer questions 4 – 11. Justify your answers.**



4. If , find . \_\_\_\_\_\_\_\_\_\_ 5. If , find . \_\_\_\_\_\_\_\_\_\_

6. If , find . \_\_\_\_\_\_\_\_\_\_ 7. If , find . \_\_\_\_\_\_\_\_\_\_

8. If , find . \_\_\_\_\_\_\_\_\_\_ 9. If , find . \_\_\_\_\_\_\_\_\_\_

10. If , find . \_\_\_\_\_\_\_\_\_\_ 11. If , find  \_\_\_\_\_\_\_\_\_\_



12. 13.