**H. Geometry – Bellwork #37 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  \_\_\_\_\_\_\_\_\_\_

