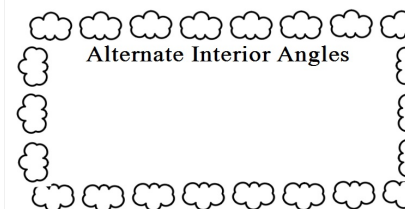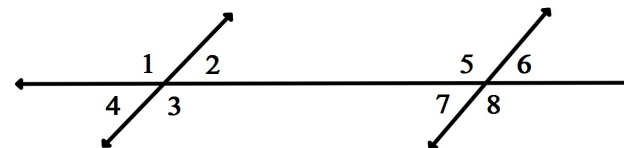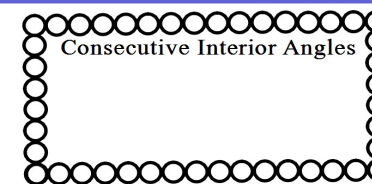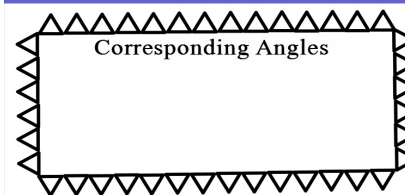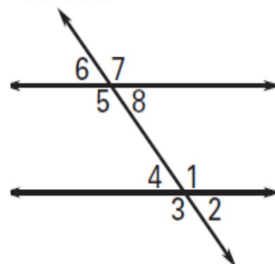## IDENTIFYING ANGLES FORMED BY TRANSVERSALS

A **transversal** is a line that intersects two or more coplanar lines at different points. For instance, in the diagrams below, line *t* is a transversal. The angles formed by two lines and a transversal are given special names.
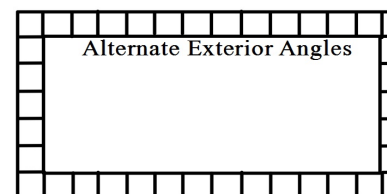
Corresponding Angles

Consecutive Interior Angles

Alternate Interior Angles

Alternate Exterior Angles

IDENTIFYING ANGLES FORMED BY TRANSVERSALS

Alternate Interior
Alternate Exterior
Corresponding
Consecutive Interior
Vertical

1. $\angle 4$ and $\angle 8$ are _____ angles.

2. $\angle 2$ and $\angle 6$ are _____ angles.

3. $\angle 1$ and $\angle 8$ are _____ angles.

4. $\angle 8$ and $\angle 2$ are _____ angles.

5. $\angle 4$ and $\angle 5$ are _____ angles.

6. $\angle 5$ and $\angle 1$ are _____ angles.

IDENTIFYING ANGLES FORMED BY TRANSVERSALS

You Practice:

Alternate Interior
Alternate Exterior
Corresponding
Consecutive Interior
Vertical

7. $\angle 5$ and $\angle 6$ are ___ angles. _____

8. $\angle 5$ and $\angle 9$ are ___ angles. _____

9. $\angle 4$ and $\angle 8$ are ___ angles. _____

10. $\angle 6$ and $\angle 9$ are ___ angles. _____

11. $\angle 11$ and $\angle 4$ are ___ angles. _____

12. $\angle 5$ and $\angle 10$ are ___ angles. _____