**3.1 Parallel Lines and Transversals**

**Parallel Lines- Coplanar lines that do not intersect.**

**Symbol for Parallel Lines: In a diagram:**

**Planes can also be parallel In a diagram:**

**Skew Lines- Lines that do not intersect and are not in the same plane.**

**Practice Problems:**

1. **Name all planes that are parallel to plane ABG.**
2. **Name all segments that intersect CH.**
3. **Name all segments that are skew to BG.**

**Transversal- a line that intersects two or more lines in a plane at different points.**

**Ex.**

**Exterior Angles:**

**Interior Angles:**

**Alternate Exterior Angles:**

**Alternate Interior Angles:**

**Consecutive Interior Angles:**

**Corresponding Angles:**

**Practice Problems:**

**Identify each special angle pair.**

**1)**

**2)**

**3)**

**4)**

**5)**

**6)**

**7)**

**8)**

**9)**