Lines Notes: M 9/23/19

**Parallel lines** are coplanar and do not intersect.

**Perpendicular lines** intersect at a 90 degree angle.

**Skew lines** are not coplanar and are not parallel and do not intersect.

**Parallel planes** are planes that do not intersect.

Angles Notes: T 9/24/19

A **transversal** is a line that intersects two coplanar lines at two different points.

**Corresponding angles** lie on the same side of the transversal.

**Alternate interior angles** are nonadjacent angles that lie on opposite sides of the transversal, and between the lines.

**Alternate exterior angles** lie on opposite sides of the transversal, and outside the lines.

**Same-side interior angles** (*or* consecutive interior angles) lie on the same side of the transversal and between the lines.

Angles Between Parallel Lines: R 9/26/19



**Vertical angles** are equal. (“noses touch”)

**Alternate Interior** are equal.

**Corresponding** are equal.

**Alternate exterior** are equal.

**Consecutive Interior** (same side) are supplementary. (add to 180)