Def. Parallel Lines
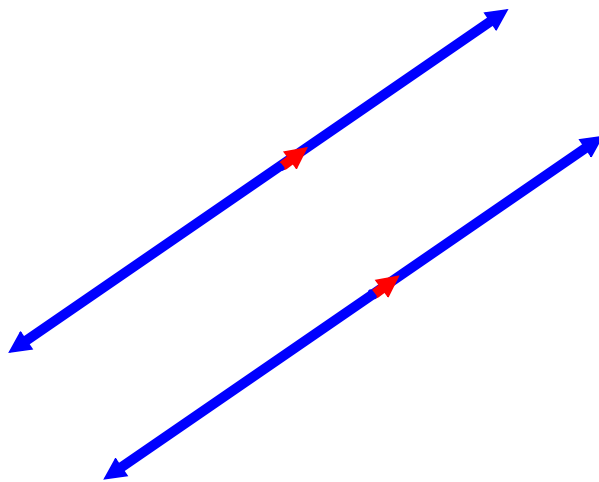
Def. Parallel Lines

Coplanar lines that do not intersect.

The symbol for parallel is ||

In a figure, parallel lines are indicated by matching arrows.

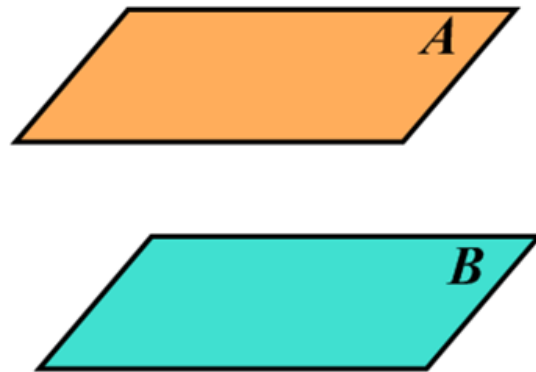## Def. **Skew Lines**

Noncoplanar lines that do not intersect.
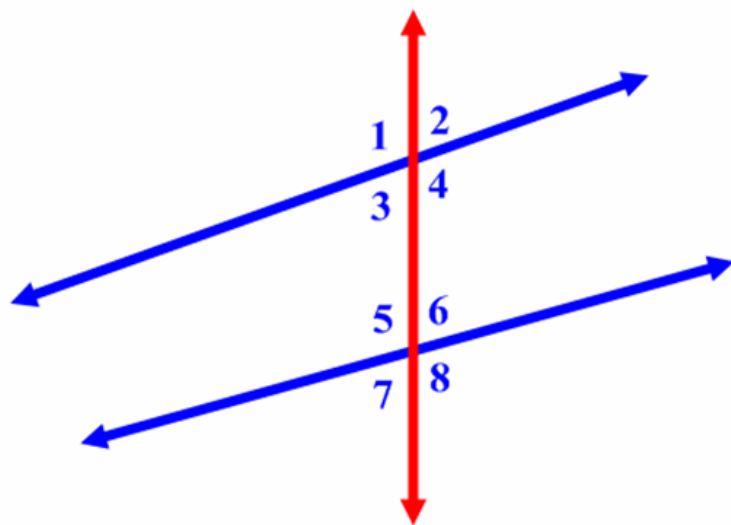
Def. Parallel Planes
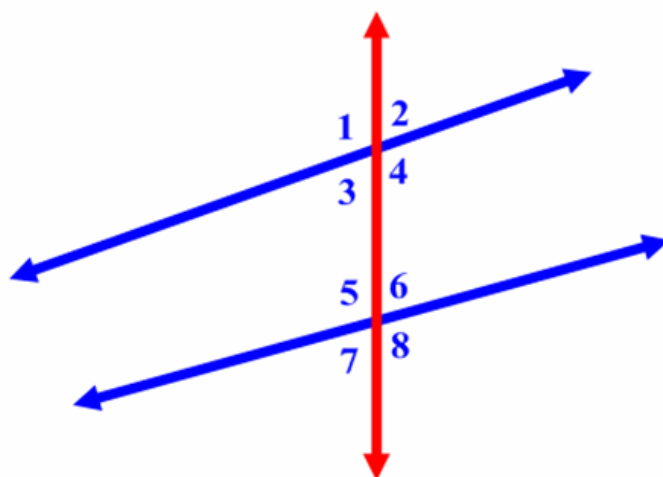
Two planes that do not intersect.

Def. Transversal
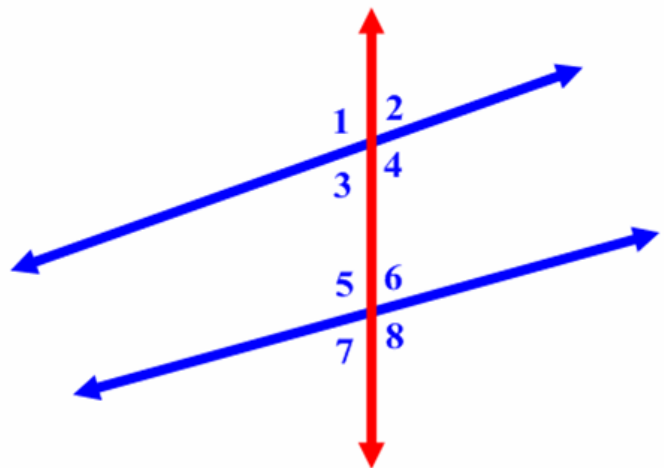
A line that intersects 2 or more lines at unique pts.

When a transversal intersects 2 lines, special angles are formed.

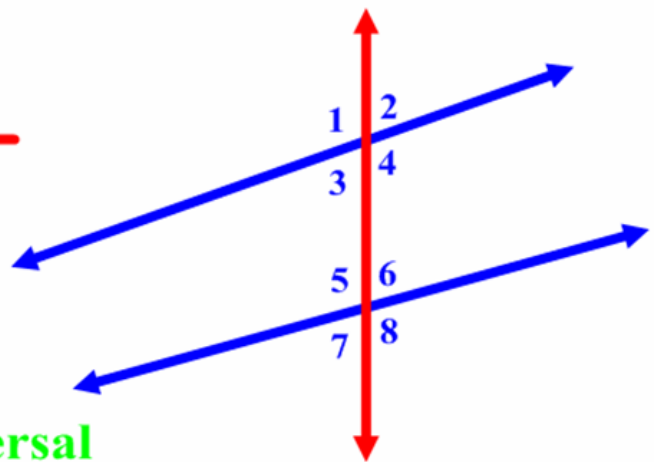**Interior $\angle$'s** —— **$\angle$'s that are in between the 2 lines**

Exterior ∠'s — ∠'s that are outside of the 2 lines

Corresponding ∠'s

2 ∠'s that meet the following conditions:
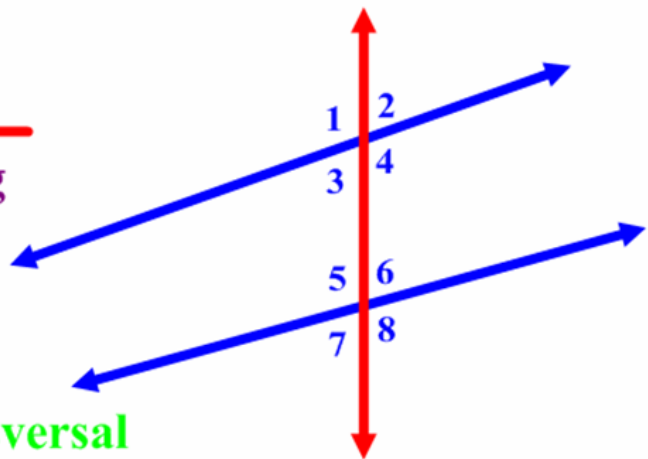
1. 1 int. ∠ and 1 ext. ∠

2. Same side of the transversal

3. Nonadjacent

Alternate Interior ∠'s

2 ∠'s that meet the following conditions:

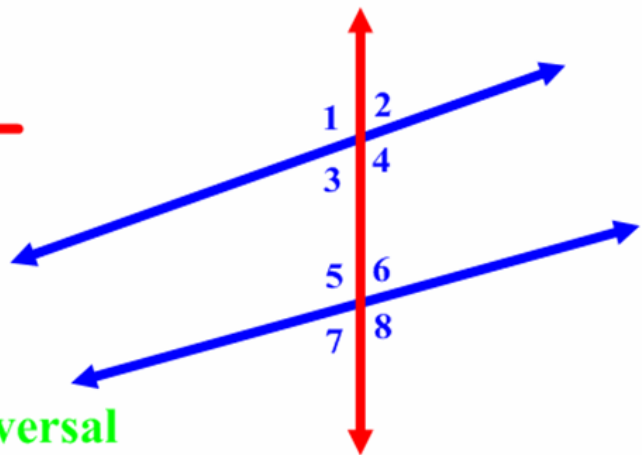1. **Both int. ∠'s**

2. **Opposite side of the transversal**

3. **Nonadjacent**

Alternate Exterior ∠'s
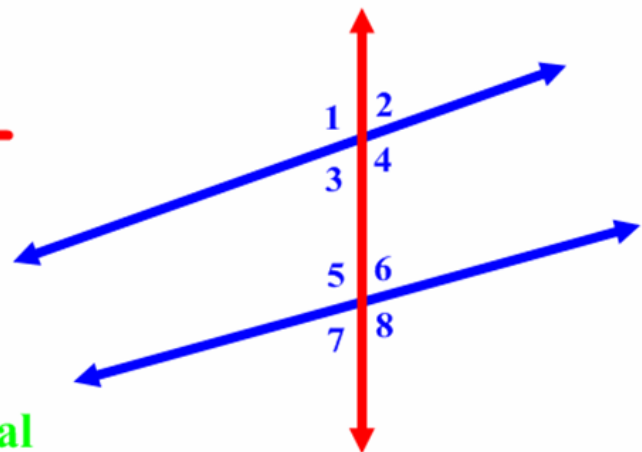
2 ∠'s that meet the following conditions:

1. **Both ext. ∠'s**

2. **Opposite side of the transversal**

3. **Nonadjacent**

Consecutive Interior ∠'s

2 ∠'s that meet the following conditions:

1. Both int. ∠'s

2. Same side of the transversal

Consecutive ext. ∠'s

2 ∠'s that meet the following conditions:

1. Both int. ∠'s

2. Same side of the transversal