Def. Parallel Lines
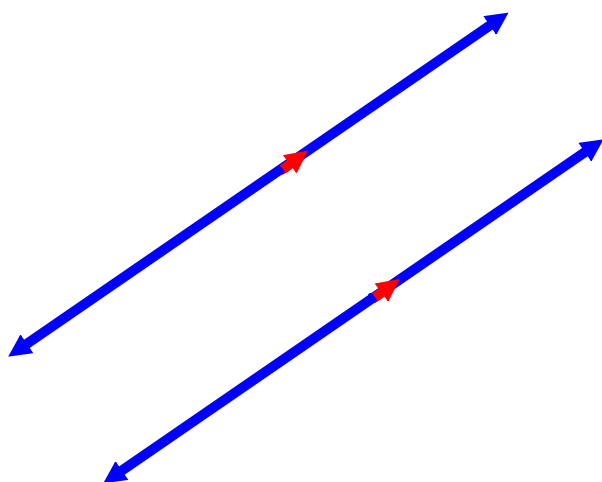
Coplanar lines that do not intersect.

The symbol for parallel is ||

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

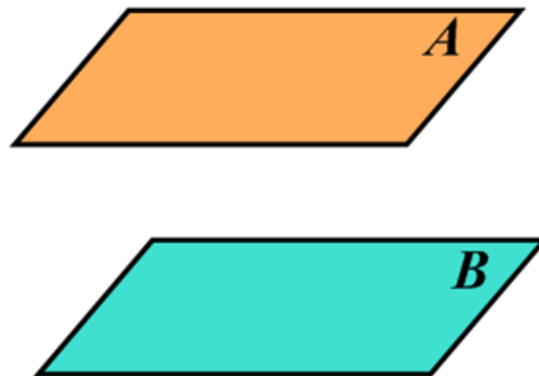# Def. Skew Lines

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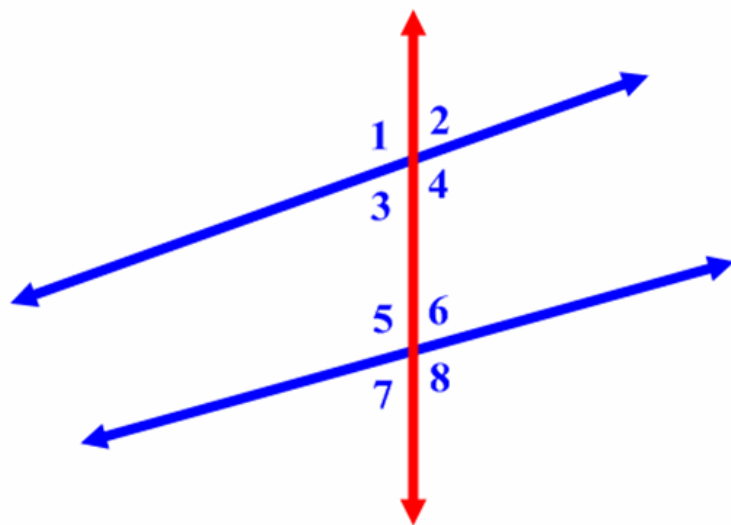
Def. Parallel Planes
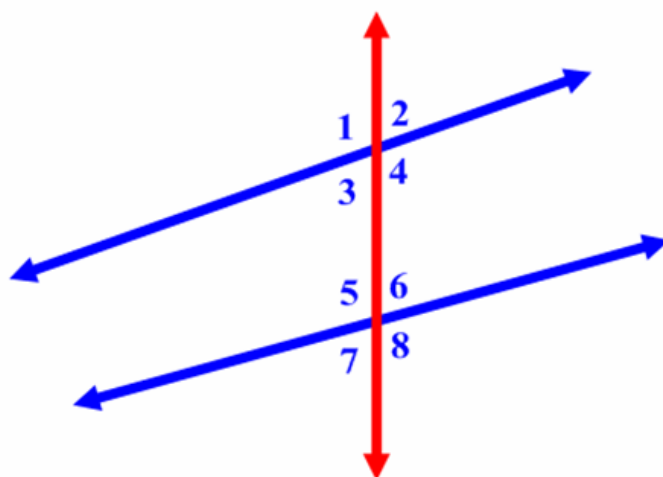
Two planes that do not intersect.

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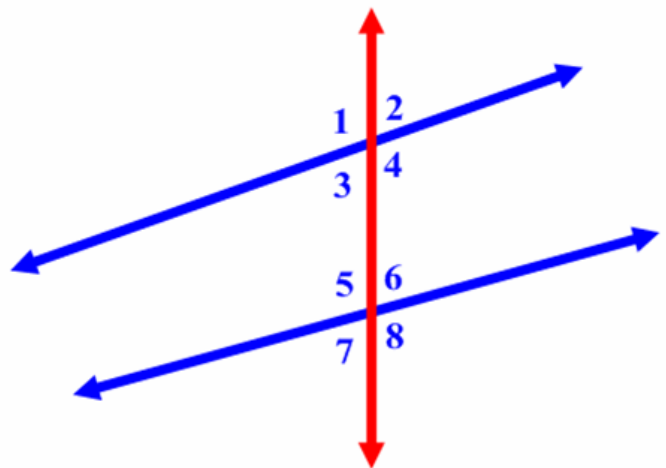
A line that intersects 2 or more lines at unique pts.

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

Interior ∠'s — ∠'s that are in between the 2 lines

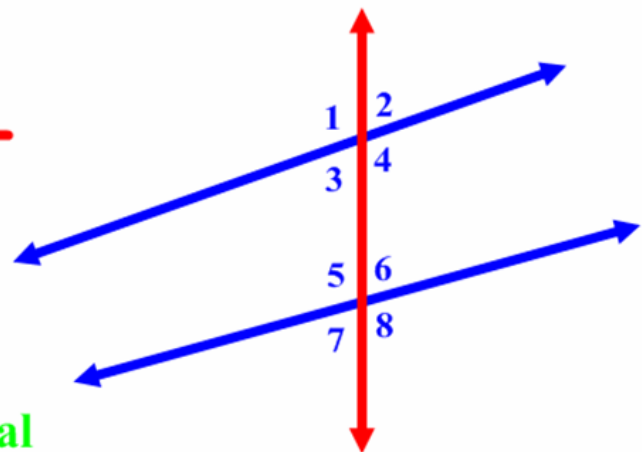Exterior ∠'s — ∠'s that are outside of the 2 lines

Consecutive Interior $\angle$'s
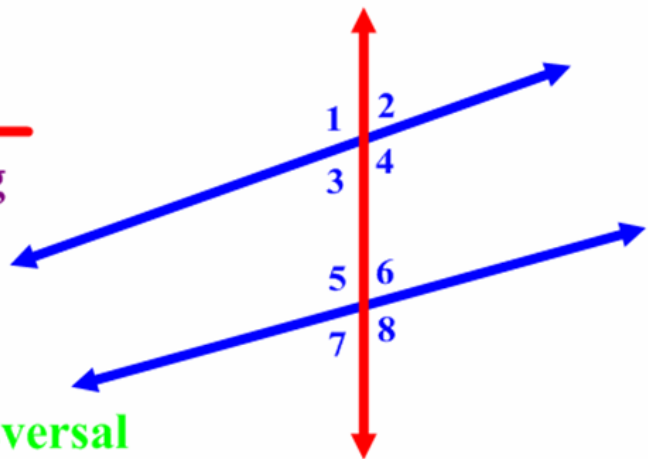
2 $\angle$'s that meet the following conditions:

1. **Both int. $\angle$'s**

2. **Same side of the transversal**

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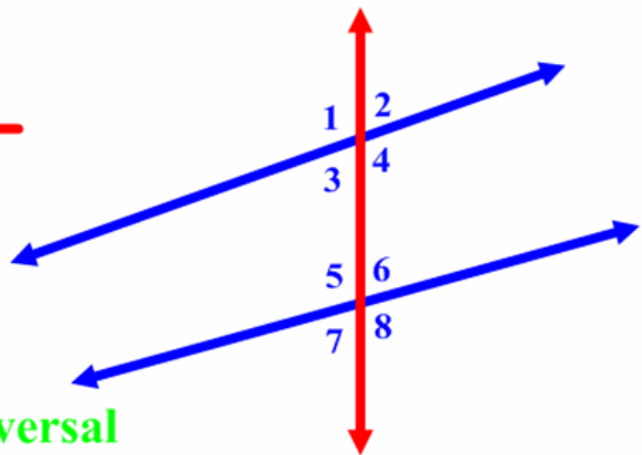
2 ∠'s that meet the following conditions:

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

Corresponding ∠'s

2 ∠'s that meet the following conditions:

1. 1 int. ∠ and 1 ext. ∠

2. Same side of the transversal

3. Nonadjacent