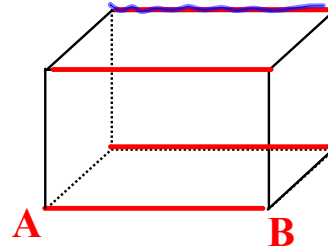


3 - 1

Parallel Lines and Transversals

PARALLEL

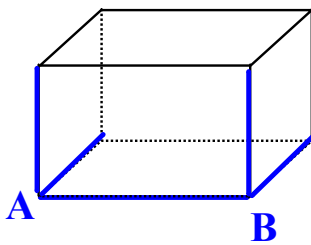
Two lines in the same plane that never intersect.



All red segments are parallel to AB

INTERSECTING

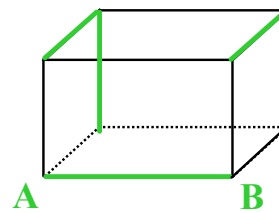
Two lines that cross at a specific point



All blue segments intersect AB

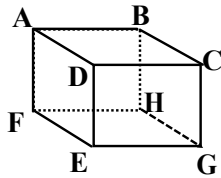
SKEW

Two lines in different planes that never intersect.



All green segments are skew to AB

EX 1:



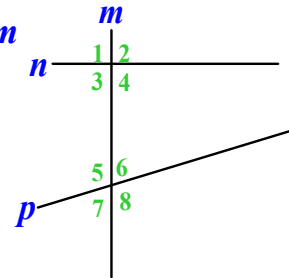
- 1) Name all segments parallel to AD
- 2) Name all segments skew to FH
- 3) Name all segments that intersect DC

TERMS

Transversal

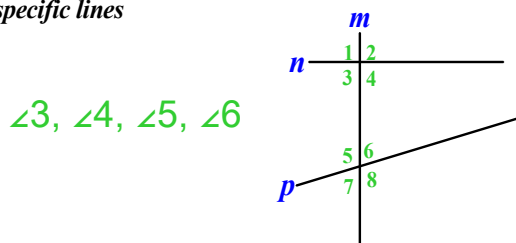
A line that intersects at least two other lines creating multiple angles.

transversal - m



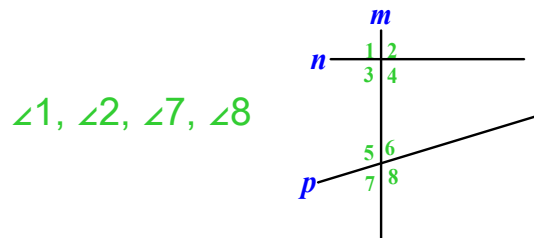
Interior Angles

Angles located on the transversal, between two specific lines



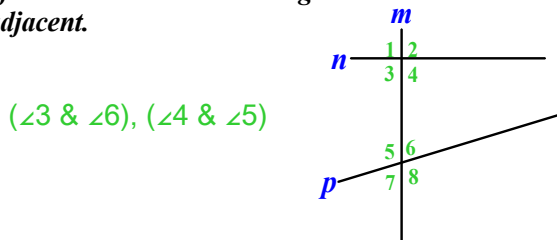
Exterior Angles

Angles located on the transversal, outside two specific lines



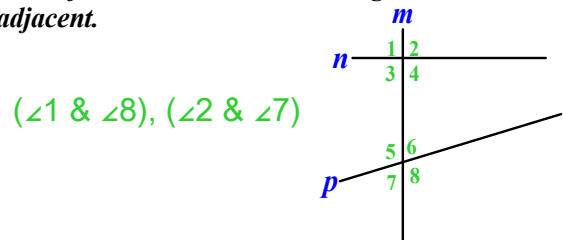
Alternate Interior Angles

A Pair of Interior Angles located on opposite sides of the transversal. These angles are not adjacent.



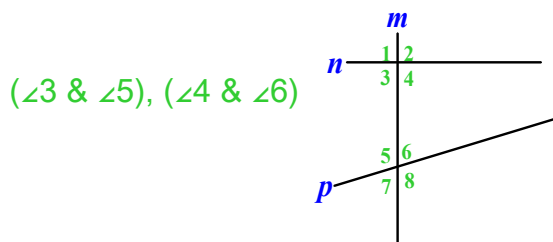
Alternate Exterior Angles

A Pair of Exterior Angles located on opposite sides of the transversal. These angles are not adjacent.



Consecutive Interior Angles

A Pair of Interior Angles located on the same side of the transversal.



Corresponding Angles

A Pair of Angles. One is Interior, One is Exterior. Both of these angles are on the same side of the transversal. Not adjacent.

