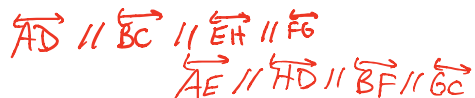


Transversals – Lines & Angles

Notes Section 3.1

Name _____

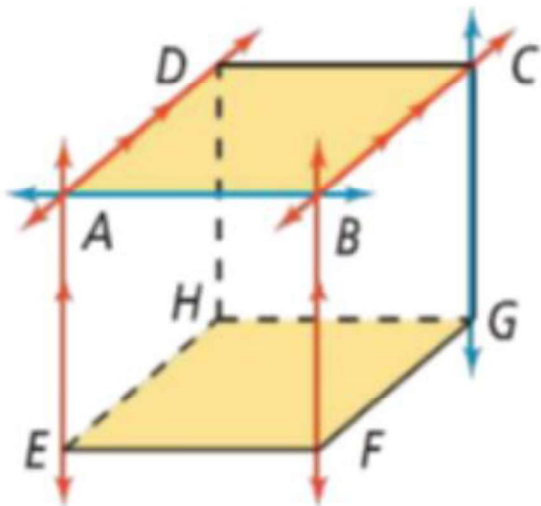
Parallel Lines – Two coplanar lines that never intersect.



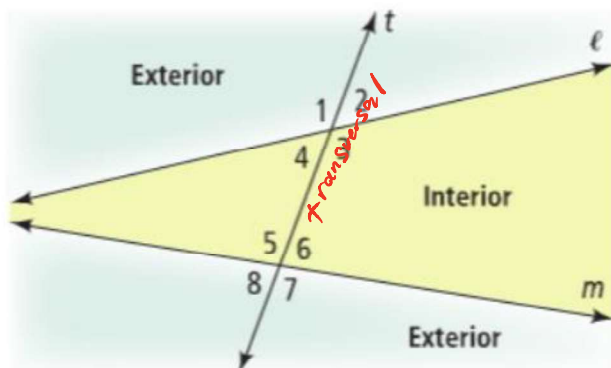
Skew Lines – Two noncoplanar lines that never intersect.



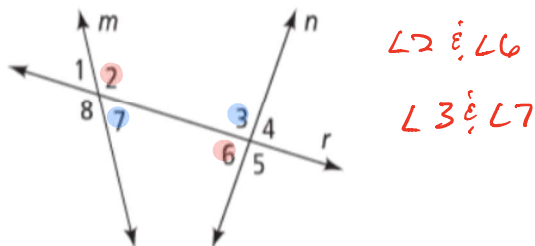
Parallel Planes – Two planes that never intersect.



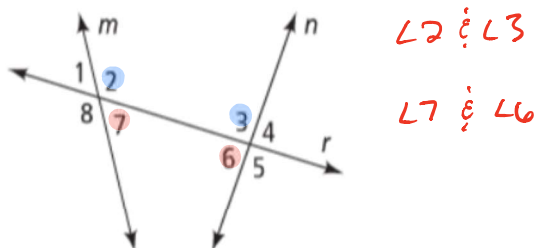
Transversal – A line that intersects 2 or more lines in different places.



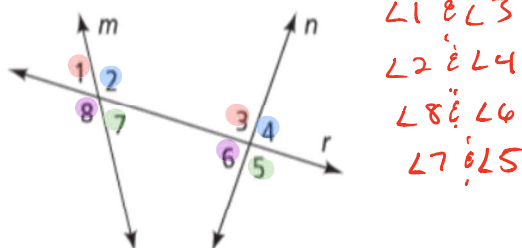
Alternate Interior Angles – when a transversal intersects two lines, these pair of angles are on opposite sides of the transversal and between the non-transversal lines.



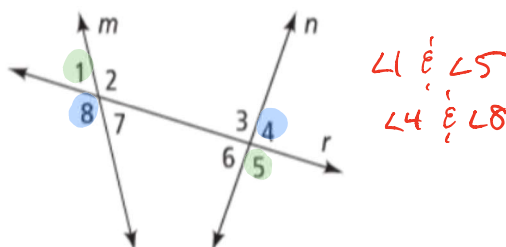
Consecutive Interior Angles (aka Same-Side Interior Angles) – when a transversal intersects two lines, these pair of angles are on same sides of the transversal and between the non-transversal lines.



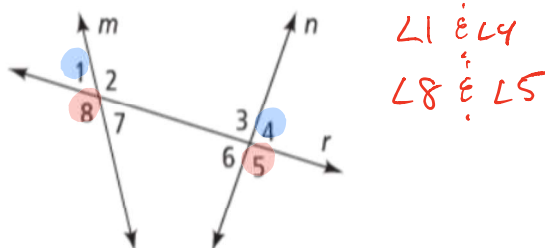
Corresponding Angles – When a transversal intersects two lines, these pair of angles are in the same position but a different intersection.



Alternate Exterior Angles – when a transversal intersects two lines, these pair of angles are on opposite sides of the transversal and outside the non-transversal lines.



Consecutive Exterior Angles – when a transversal intersects two lines, these pair of angles are on the same sides of the transversal and outside the non-transversal lines.



Transversals – Lines & Angles

Notes Section 3.1

Name _____

Using the figure on the right, name as many parts as possible.

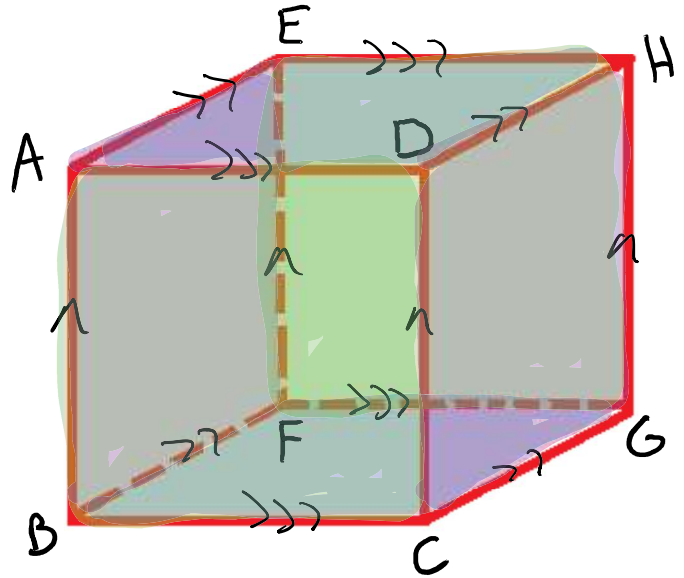
#1) Parallel segments $\overline{AB} \parallel \overline{EF} \parallel \overline{DC} \parallel \overline{HG}$
 $\overline{AD} \parallel \overline{EH} \parallel \overline{BC} \parallel \overline{FG}$

#2) Parallel lines $\overleftrightarrow{AB} \parallel \overleftrightarrow{EF} \parallel \overleftrightarrow{DC} \parallel \overleftrightarrow{HG}$
 $\overleftrightarrow{AD} \parallel \overleftrightarrow{EH} \parallel \overleftrightarrow{BC} \parallel \overleftrightarrow{FG}$

#3) Skew segments $\overline{AD}, \overline{EF}$
 $\overline{BF}, \overline{DC}$

#4) Skew lines $\overleftrightarrow{AD}, \overleftrightarrow{EF}$
 $\overleftrightarrow{BF}, \overleftrightarrow{DC}$

#5) Parallel Planes
 Plane $AEH \parallel$ Plane BFG



Using the figure on the right, name 2 pairs of each.

#6) Alternate interior angles
 $\angle 4, \angle 6$
 $\angle 3, \angle 5$

#7) Alternate exterior angles
 $\angle 1, \angle 7$
 $\angle 8, \angle 2$

#8) Consecutive interior angles
 $\angle 4, \angle 5$
 $\angle 3, \angle 6$

#9) Consecutive exterior angles
 $\angle 1, \angle 8$
 $\angle 2, \angle 7$

#10) Corresponding angles
 $\angle 1, \angle 5$
 $\angle 3, \angle 7$

#11) Linear pair
 $\angle 1, \angle 2$
 $\angle 5, \angle 6$

#12) Vertical angles
 $\angle 8, \angle 6$
 $\angle 5, \angle 7$

