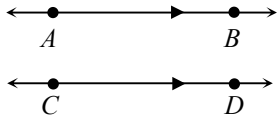
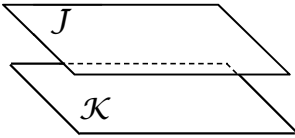
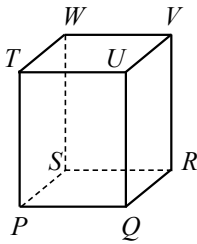
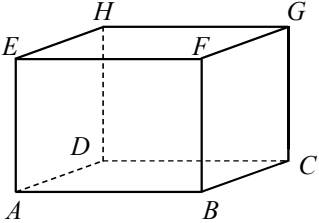
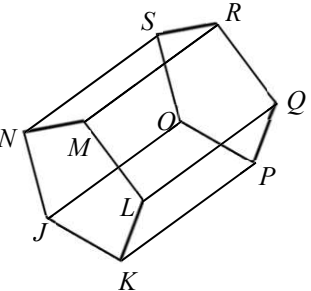
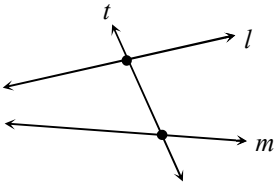
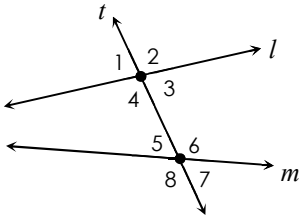
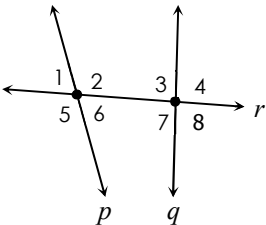
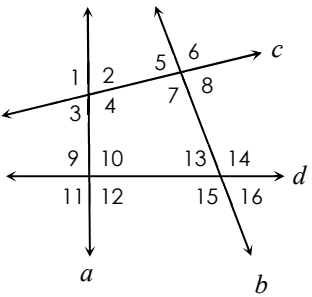
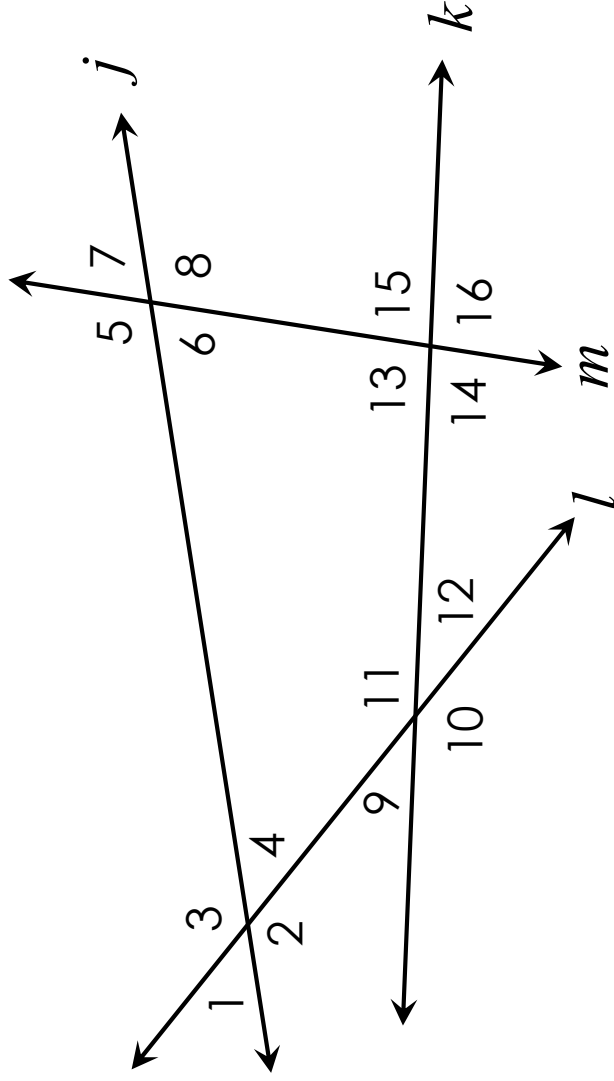


Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples	
PARALLEL <i>Lines</i>	_____ lines that never _____. _____ are used to indicate the lines are parallel. Symbolic Notation: _____	
PARALLEL <i>Planes</i>	_____ that never _____. Symbolic Notation: _____	
SKEW <i>Lines</i>	_____ lines that never _____. Examples: _____ & _____ _____ & _____ _____ & _____	
EXAMPLE 1 	a. Name all segments parallel to $\overline{AE}$. _____ b. Give two examples of parallel planes. (1) _____ & _____ (2) _____ & _____ c. Name all segments skew to $\overline{GH}$. _____	
EXAMPLE 2 	a. Name all segments parallel to $\overline{JK}$. _____ b. Name all segments parallel to $\overline{NS}$. _____ c. Name a plane parallel to plane JKL. _____ d. Name four segments skew to $\overline{RQ}$. _____	

TRANSVERSAL	- A line that intersects two or more lines. Example: _____		
ANGLES <i>formed by a</i> TRANSVERSAL 	Angle Pair		Examples
	Corresponding Angles Angles on the same side of the transversal and in the same position.		_____, _____ _____, _____
	Alternate Interior Angles Interior angles, non-adjacent, and on opposite sides of the transversal.		_____, _____
	Alternate Exterior Angles Exterior angles, non-adjacent, and on opposite sides of the transversal.		_____, _____
	Consecutive (Same-Side) Interior Angles Interior angles that are on the same side of the transversal.		_____, _____
	Consecutive (Same-Side) Exterior Angles Exterior angles that are on the same side of the transversal.		_____, _____
EXAMPLE 3 	Name the type of angle relationship. If no relationship exists, write "none."		
EXAMPLE 4 	a. $\angle 5$ and $\angle 13$		
	b. $\angle 7$ and $\angle 14$		
	c. $\angle 3$ and $\angle 6$		
	d. $\angle 9$ and $\angle 14$		
	e. $\angle 4$ and $\angle 7$		
	f. $\angle 2$ and $\angle 10$		
	g. $\angle 8$ and $\angle 14$		
	h. $\angle 6$ and $\angle 11$		
	i. $\angle 4$ and $\angle 13$		
	j. $\angle 4$ and $\angle 9$		

ANGLES *formed by a* TRANSVERSAL



NAME THAT TRANSVERSAL!

$\angle 1$ and $\angle 12$: _____

$\angle 3$ and $\angle 6$: _____

$\angle 7$ and $\angle 15$: _____

$\angle 12$ and $\angle 14$: _____

Corresponding Angles

• _____
• _____
• _____
• _____
• _____

Alternate Interior Angles

• _____
• _____
• _____
• _____
• _____

Alternate Exterior Angles

• _____
• _____
• _____
• _____
• _____

Consecutive (Same-Side) Interior Angles

• _____
• _____
• _____
• _____
• _____

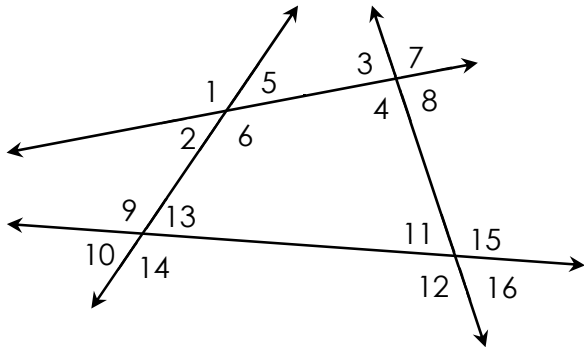
Consecutive (Same-Side) Exterior Angles

• _____
• _____
• _____
• _____
• _____

NON-EXAMPLES:

Name that Angle Pair!

Directions: Given the diagram below, determine whether the angle pairs are corresponding, alternate interior, alternate exterior, consecutive (same-side) interior, consecutive (same-side) exterior, or no relationship. Color the boxes using the color codes below.



Corresponding Angles: Pink

Alternate Interior Angles: Light Blue

Alternate Exterior Angles: Yellow

Consecutive Interior Angles: Light Green

Consecutive Exterior Angles: Orange

No Relationship: Uncolored

$\angle 2$ and $\angle 13$	$\angle 4$ and $\angle 11$	$\angle 1$ and $\angle 16$	$\angle 3$ and $\angle 12$
$\angle 3$ and $\angle 5$	$\angle 14$ and $\angle 16$	$\angle 1$ and $\angle 3$	$\angle 5$ and $\angle 10$
$\angle 3$ and $\angle 15$	$\angle 4$ and $\angle 5$	$\angle 6$ and $\angle 13$	$\angle 4$ and $\angle 13$
$\angle 2$ and $\angle 8$	$\angle 4$ and $\angle 12$	$\angle 3$ and $\angle 16$	$\angle 12$ and $\angle 14$
$\angle 7$ and $\angle 15$	$\angle 6$ and $\angle 16$	$\angle 11$ and $\angle 14$	$\angle 1$ and $\angle 10$
$\angle 1$ and $\angle 11$	$\angle 8$ and $\angle 15$	$\angle 7$ and $\angle 13$	$\angle 1$ and $\angle 14$