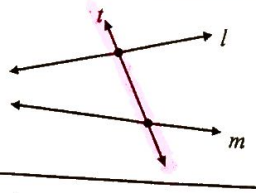
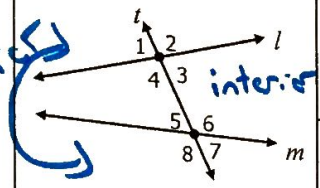
Notes

TRANSVERSAL



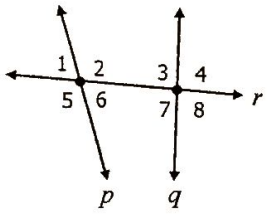
- A line that intersects two or more lines.
- **Example:** line t

ANGLES formed by TRANSVERSALS

Diagram	Angle Pairs	Examples
	**Corresponding Angles** (translate) (Angles on the same side of the transversal and in the same position.)	∠1 and ∠5, ∠2 and ∠6 ∠4 and ∠8, ∠3 and ∠7
exterior interior	**Alternate Interior Angles** (Interior angles, non-adjacent, and on opposite sides of the transversal.) different side of line t	∠3 and ∠5, ∠4 and ∠6
	Alternate Exterior Angles (Exterior angles, non-adjacent, and on opposite sides of the transversal.)	∠1 and ∠7, ∠2 and ∠8
	Same-side **~~Consecutive~~ Interior Angles** (Interior angles that are on the same side of the transversal.)	∠3 and ∠6, ∠4 and ∠5

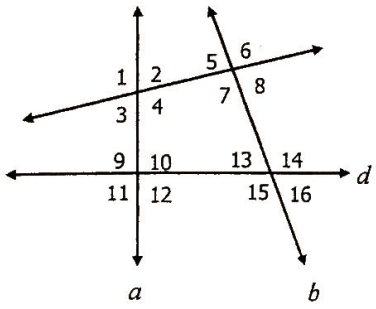
Examples! Name the type of angle relationship. If no relationship, write "none."

1



a. ∠1 and ∠8	alternate exterior ∠'s
b. ∠2 and ∠3	same-side interior angles
c. ∠5 and ∠7	corresponding angles
d. ∠2 and ∠7	alternate interior angles
e. ∠1 and ∠3	corresponding angles
f. ∠6 and ∠7	same side interior angles

2



a. ∠5 and ∠13	corresponding angles
b. ∠7 and ∠14	alternate interior angles
c. ∠3 and ∠6	alternate exterior angles
d. ∠9 and ∠16	alternate exterior angles
e. ∠4 and ∠7	same-side interior angles
f. ∠2 and ∠10	corresponding angles
g. ∠8 and ∠14	same side interior angles
h. ∠6 and ∠11	NONE
i. ∠4 and ∠13	NONE
j. ∠4 and ∠9	alternate interior angles

Important!
Angles must belong to the SAME transversal to be an angle pair.