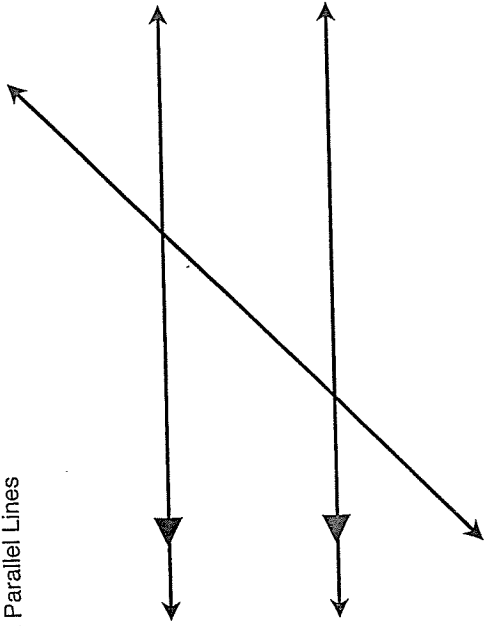


PARALLEL LINES

Angles	Relationship
1, 2	Alternate Interior angles
3, 4	Alternate Exterior angles
6, 7	Alternate Exterior angles
6, 8	Corresponding angles
1, 3	Vertical angles
2, 5	Same-side Interior angles
2, 8	Linear Pair

#1 Solution: Parallel Lines

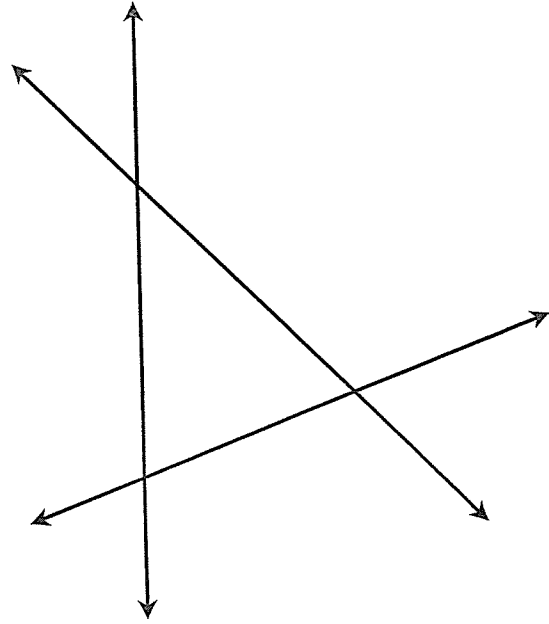


3 INTERSECTING LINES

*Given: Angles 1 and 4 are interior angles of the triangle.

Angles	Relationship
3, 1	Alternate Interior angles
1, 10	Same-side interior
5, 1	Vertical angles
2, 10	Linear Pair
5, 2	Alternate exterior angles
10, 11	Corresponding angles
11, 1	Alternate interior angles
10, 12	Corresponding angles
9, 6	Corresponding angles
9, 11	Vertical angles
7, 3	Alternate exterior angles
2, 3	Vertical angles
8, 3	Same-side interior

#2 Solution: 3 Intersecting Lines



Parallel Lines Practice and Review (3 pages)

Name: _____ Period: _____

Find the measure of each angle in the diagram. Give a reason/theorem for each answer.

HINT: The sum of the measures of the angles in a triangle is 180° .

$\angle a =$ _____ Reason: _____

$\angle b =$ _____ Reason: _____

$\angle c =$ _____ Reason: _____

$\angle d =$ _____ Reason: _____

$\angle e =$ _____ Reason: _____

$\angle f =$ _____ Reason: _____

$\angle g =$ _____ Reason: _____

$\angle h =$ _____ Reason: _____

$\angle k =$ _____ Reason: _____

$\angle l =$ _____ Reason: _____

$\angle m =$ _____ Reason: _____

