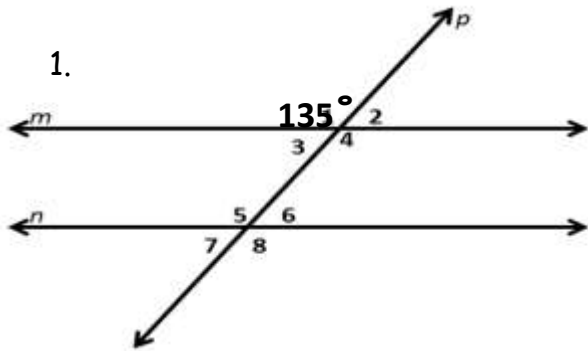


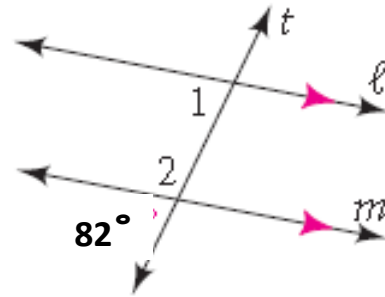
Parallel Lines & Transversals Worksheet

Name: _____ Date: _____

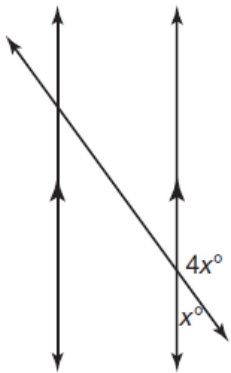
Directions: Find the measure of the missing angles.



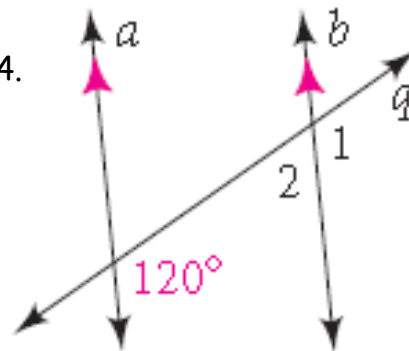
2.



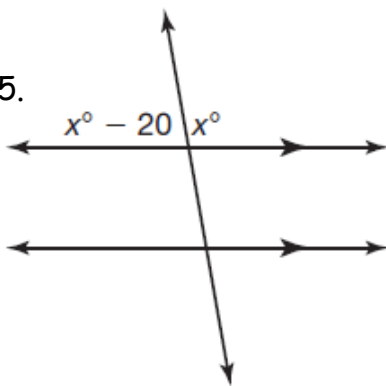
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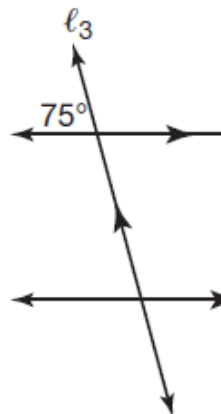
4.



5.



6.



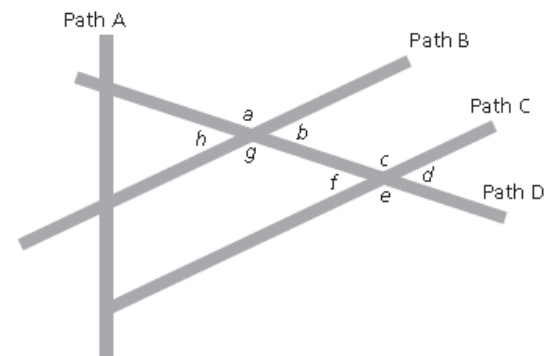
Directions: Select which relationship the sets of angles will have.

7. If two parallel lines are cut by a transversal, then each pair of alternate interior angles are
 - a. congruent
 - b. supplementary
8. If two parallel lines are cut by a transversal, then each pair of alternate exterior angles are
 - a. congruent
 - b. supplementary
9. If two parallel lines are cut by a transversal, then each pair of corresponding angles are
 - a. congruent
 - b. supplementary
10. If two parallel lines are cut by a transversal, then each pair of same side interior angles are
 - a. congruent
 - b. supplementary
11. If two parallel lines are cut by a transversal, then each pair of sameside exterior angles are
 - a. congruent
 - b. supplementary

Directions: Use the diagram to answer the following questions.

The map shows some paths through a corn maze. Path B is parallel to Path C.

12. List each pair of vertical angles.
13. List each pair of corresponding angles.
14. List each pair of alternate interior angles.
15. List each pair of alternate exterior angles.
16. List four pairs of angles that are supplementary.



17. Jessica uses a protractor to find that the measure of angle a is 140° . Without measuring them, find the measures of angles b through h .

$\angle b$ _____ $\angle c$ _____ $\angle d$ _____ $\angle e$ _____ $\angle f$ _____ $\angle g$ _____ $\angle h$ _____