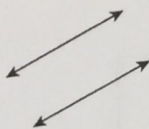


**LESSON** **Reteach**  
**5-2** **Parallel and Perpendicular Lines**

**Parallel Lines**



Parallel lines never meet.

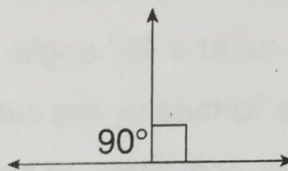
When parallel lines are cut by a **transversal**, 8 angles are formed, 4 acute and 4 obtuse.

The acute angles are all congruent.

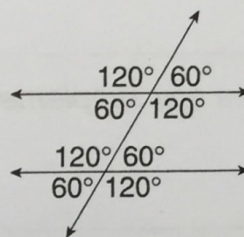
The obtuse angles are all congruent.

Any acute angle is supplementary to any obtuse angle.

**Perpendicular Lines**

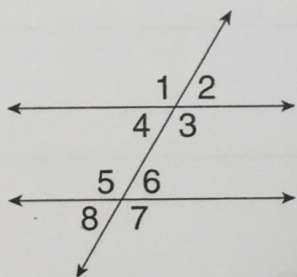


Perpendicular lines form right angles.



In each diagram, parallel lines are cut by a transversal. Name the angles that are congruent to the indicated angle.

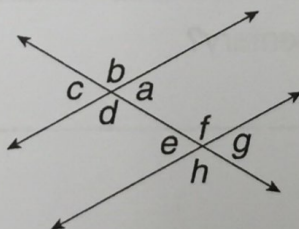
1.



The angles congruent to  $\angle 1$  are:

\_\_\_\_\_

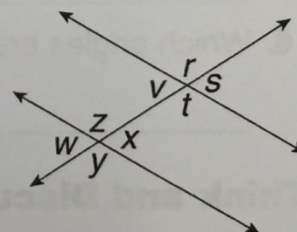
2.



The angles congruent to  $\angle a$  are:

\_\_\_\_\_

3.

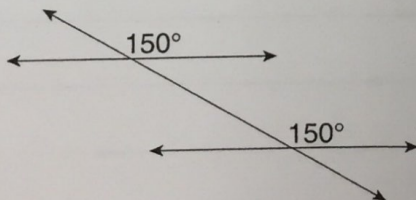


The angles congruent to  $\angle z$  are:

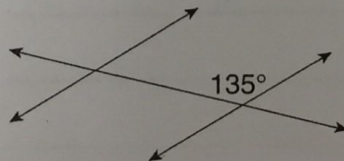
\_\_\_\_\_

In each diagram, parallel lines are cut by a transversal and the measure of one angle is given. Write the measures of the remaining angles on the diagram.

4.



5.



6.

