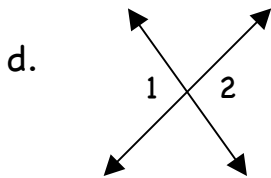
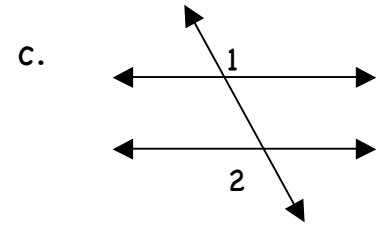
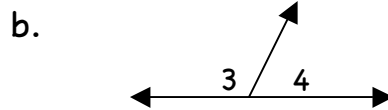
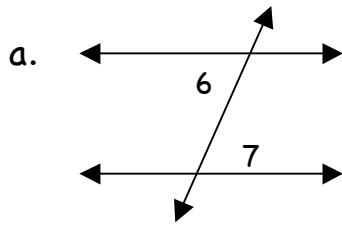


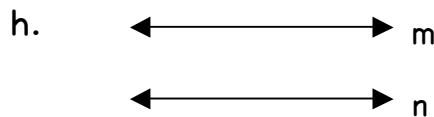
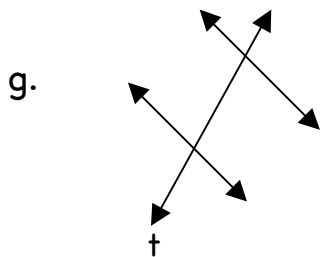
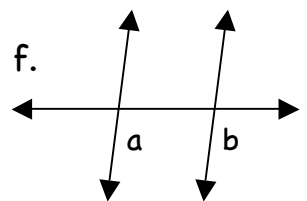
Relationships of Angles Made From Parallel Lines

Match the pictures below with these words, then define each word.

- ___ 1. Vertical Angles -
- ___ 2. Supplementary Angles -
- ___ 3. Corresponding Angles -
- ___ 4. Alternate Interior Angles -
- ___ 5. Alternate Exterior Angles -
- ___ 6. Parallel Lines -
- ___ 7. Transversal Line -
- ___ 8. Congruent -

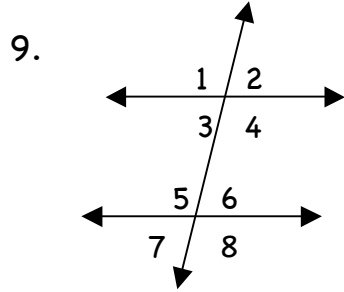


e. $\angle 1 \cong \angle 2$

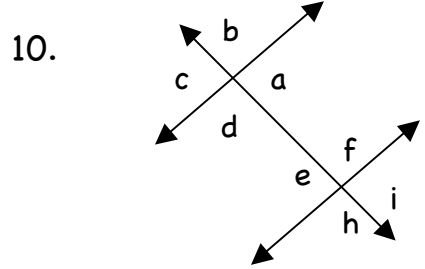


$m \parallel n$

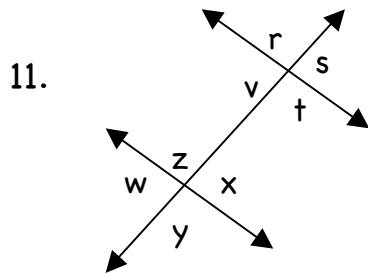
In each diagram below, parallel lines are cut by a transversal.



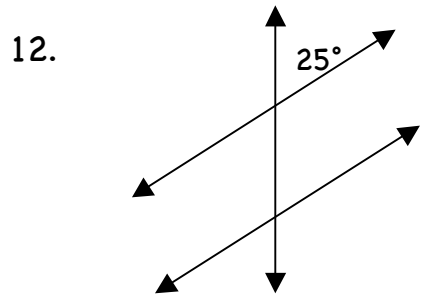
The angles congruent to $\angle 1$ are:
 \angle ___ relationship _____
 \angle ___ relationship _____
 \angle ___ relationship _____



The angles congruent to $\angle a$ are:
 \angle ___ relationship _____
 \angle ___ relationship _____
 \angle ___ relationship _____



The angles congruent to $\angle z$ are:
 \angle ___ relationship _____
 \angle ___ relationship _____
 \angle ___ relationship _____

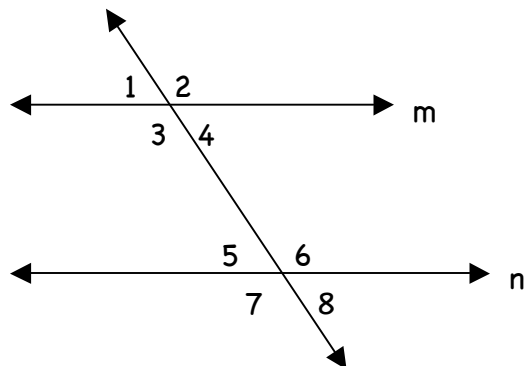


Write the measures of the remaining angles in the diagram above.

Use the diagram at the right for #13 and 14. Note: $m \parallel n$

13. What angles are supplementary to $\angle 5$?

14. What angles are congruent to $\angle 4$?



Use the diagram at the right to solve # 15 to 18. Note: $l \parallel m$

15. What is $m \angle 3$ if $m \angle 5$ is 105° ?

16. What is $m \angle 6$ if $m \angle 7$ is 80° ?

17. What is $m \angle 5$ if $m \angle 7$ is 65° ?

18. What is $m \angle 8$ if $m \angle 2$ is 100° ?

