

Vocabulary

1. Parallel lines (p. 146): _____

2. Perpendicular lines (p. 146): _____

3. Skew lines (p. 146): _____

4. Parallel planes (p. 146): _____

5. Transversal (p. 147): _____

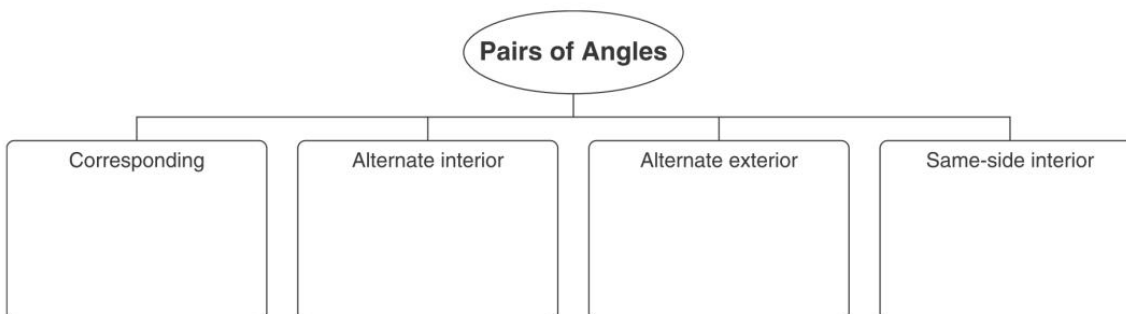
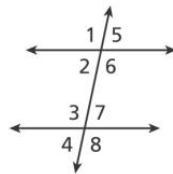
6. Corresponding angles (p. 147): _____

7. Alternate interior angles (p. 147): _____

8. Alternate exterior angles (p. 147): _____

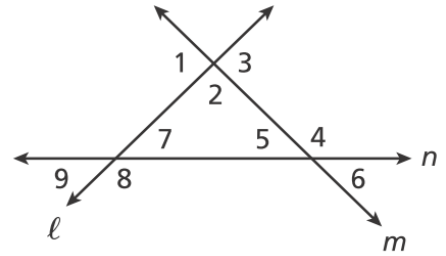
9. Same-side interior angles (p. 147): _____

12. Get Organized In each box, list all the angle pairs of each type in the diagram. (p. 148).



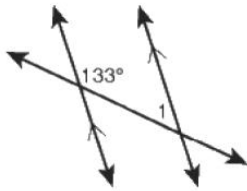
Use the diagram for Exercises 35–40.

35. Name a pair of alternate interior angles with transversal n .
36. Name a pair of same-side interior angles with transversal l .
37. Name a pair of corresponding angles with transversal m .

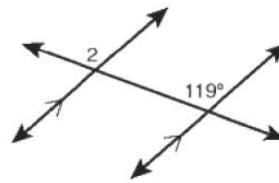


LESSON
3-2

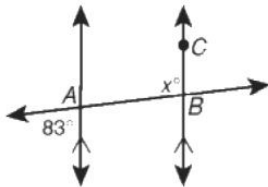
Find each angle measure.



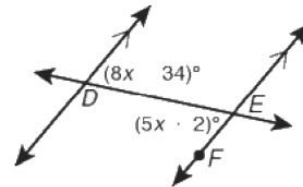
1. $m\angle 1$ _____



2. $m\angle 2$ _____



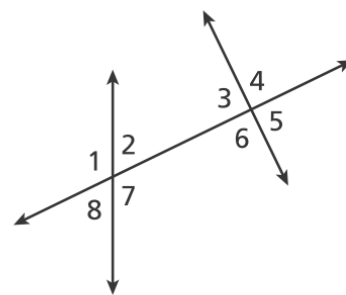
3. $m\angle ABC$ _____



4. $m\angle DEF$ _____

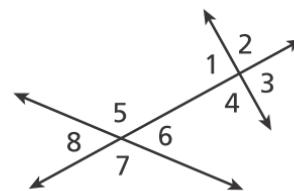
44. Which pair of angles in the diagram are alternate interior angles?

- $\angle 1$ and $\angle 5$
- $\angle 2$ and $\angle 6$
- $\angle 7$ and $\angle 5$
- $\angle 2$ and $\angle 3$



45. How many pairs of corresponding angles are in the diagram?

- 2 8
- 4 16



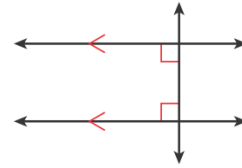
46. Which type of lines are NOT represented in the diagram?

Parallel lines

Skew lines

Intersecting lines

Perpendicular lines



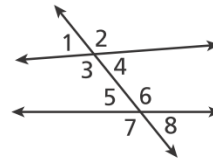
48. Which angles in the diagram are NOT corresponding angles?

$\angle 1$ and $\angle 5$

$\angle 4$ and $\angle 8$

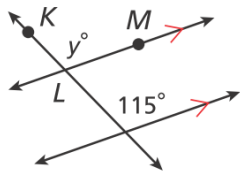
$\angle 2$ and $\angle 6$

$\angle 2$ and $\angle 7$

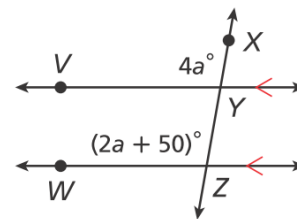


Find each angle measure.

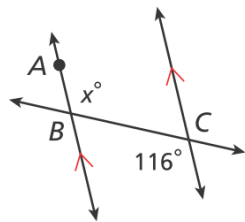
6. $m\angle KLM$



7. $m\angle VYX$



8. $m\angle ABC$



9. $m\angle EFG$

