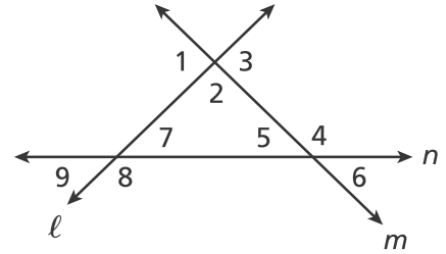


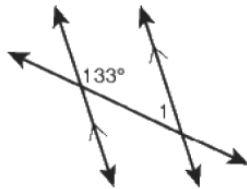
Use the diagram for Exercises 35–40.

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 .
38. Identify the transversal and classify the angle pair for $\angle 3$ and $\angle 7$.
39. Identify the transversal and classify the angle pair for $\angle 5$ and $\angle 8$.
40. Identify the transversal and classify the angle pair for $\angle 1$ and $\angle 6$.

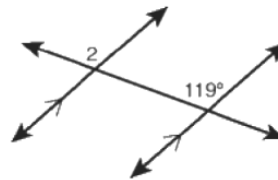


LESSON
3-2

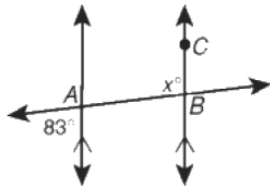
Find each angle measure.



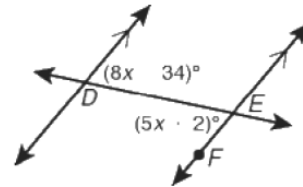
1. $m\angle 1$ _____



2. $m\angle 2$ _____

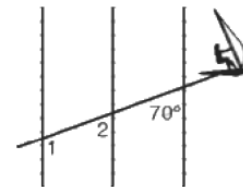


3. $m\angle ABC$ _____



4. $m\angle DEF$ _____

5. Ocean waves move in parallel lines toward the shore. The figure shows Sandy Beaches windsurfing across several waves. For this exercise, think of Sandy's wake as a line. $m\angle 1 = (2x + 2y)^\circ$ and $m\angle 2 = (2x + y)^\circ$. Find x and y .

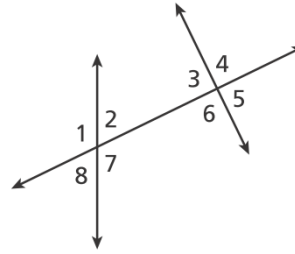


$x =$ _____

$y =$ _____

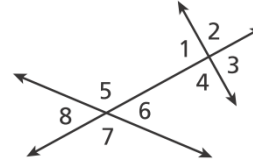
44. Which pair of angles in the diagram are alternate interior angles?

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



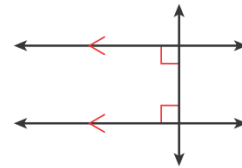
45. How many pairs of corresponding angles are in the diagram?

- 2
- 4
- 8
- 16



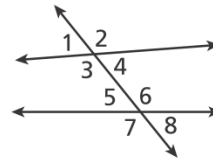
46. Which type of lines are NOT represented in the diagram?

- Parallel lines
- Intersecting lines
- Skew lines
- Perpendicular lines



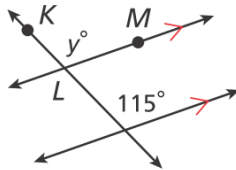
48. Which angles in the diagram are NOT corresponding angles?

- $\angle 1$ and $\angle 5$
- $\angle 2$ and $\angle 6$
- $\angle 4$ and $\angle 8$
- $\angle 2$ and $\angle 7$

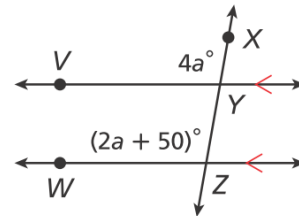


Find each angle measure.

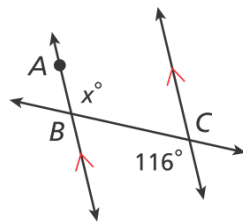
6. $m\angle KLM$



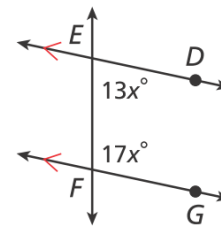
7. $m\angle VYX$



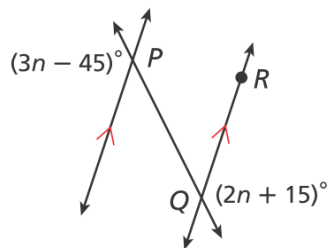
8. $m\angle ABC$



9. $m\angle EFG$



10. $m\angle PQR$



11. $m\angle STU$

