

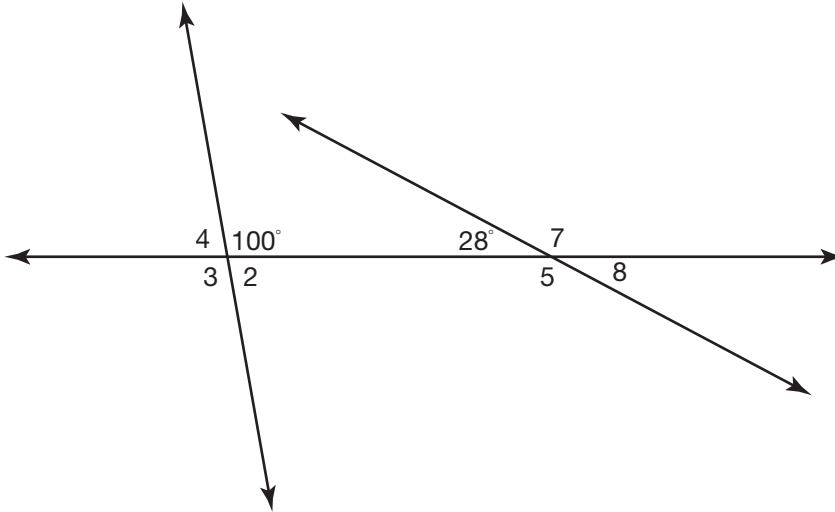
Assignment

Name _____ Date _____

Visiting Washington, D.C. Transversals and Parallel Lines

Do not use a protractor in this assignment. Rely only on the measurements given in each problem.

1. Find the measures of the missing angles in the figure below. List the angle measures and the reasons you used for finding them in the table.

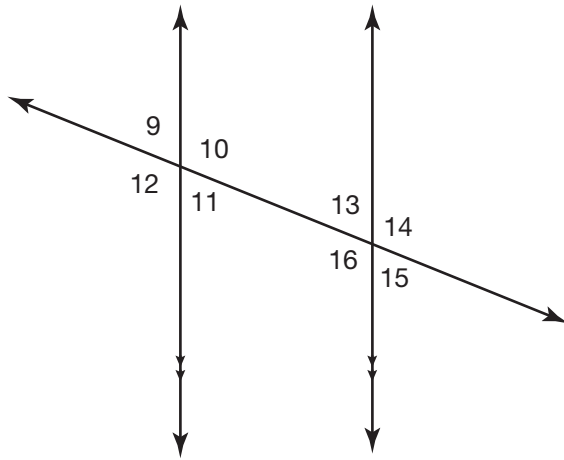


	Measure	Reason or Justification
$\angle 8$		
$\angle 2$		
$\angle 3$		
$\angle 4$		
$\angle 5$		
$\angle 7$		

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2. Line n is perpendicular to line m . Line ℓ is perpendicular to line m . Is it possible for line n and line ℓ to be skew? Explain.

3. Find the measures of the missing angles in the figure below. List the reasons you used for finding them in the table.



$$m\angle 11 = 68^\circ$$

	Measure	Reason or Justification
$\angle 9$		
$\angle 10$		
$\angle 11$		
$\angle 12$		
$\angle 13$		
$\angle 14$		
$\angle 15$		
$\angle 16$		

Using the figure in Question 3, name two pairs of the each type of angle pairs.

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4. Same-side interior angles
5. Same-side exterior angles
6. Corresponding angles
7. Alternate exterior angles