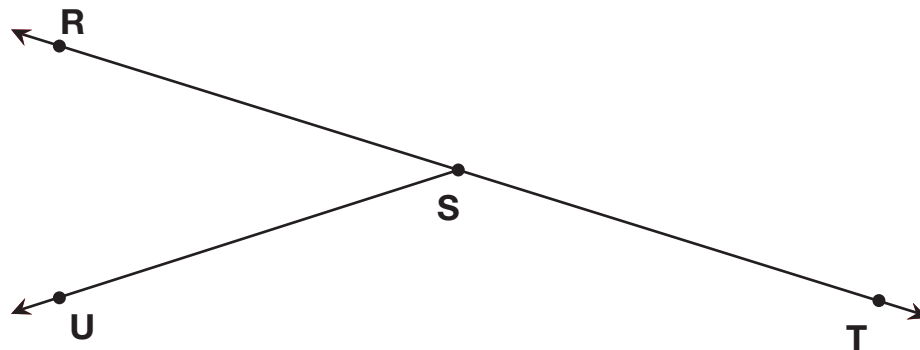


Draw and Solve Problems with Angles

Use the following figure to draw the angles below. Read all directions carefully.



1. Draw and label $\angle TSV$ so it measures 35° .
2. Draw and label $\angle TSW$ so it measures 90° .
3. Write a number sentence to show the measurement of $\angle VSW$. Measure to check your solution.

4. Draw a different 35° angle and label it $\angle TSP$.
5. What other angle is equal to $\angle TSV$? _____ How do you know?

6. Write a number sentence to show the measurement of $\angle RSP$, then measure to check your solution.

Name _____ Date _____

7. What are the measurements of the following angles? Write number sentences to show your solutions.

A. $\angle PST + \angle TSV =$ _____

B. $\angle PST + \angle VSW =$ _____

C. $\angle PSR + \angle VST =$ _____

D. $\angle WSV + \angle VST + \angle TSP =$ _____

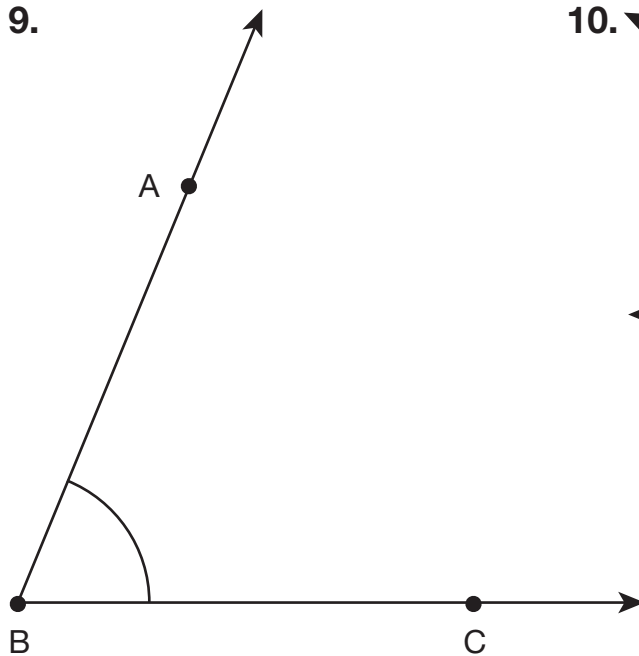
E. Use the figure before Question 1 to find the sum of $\angle RSU + \angle USP + \angle PST$. Write a number sentence.



Check-In: Questions 8–16

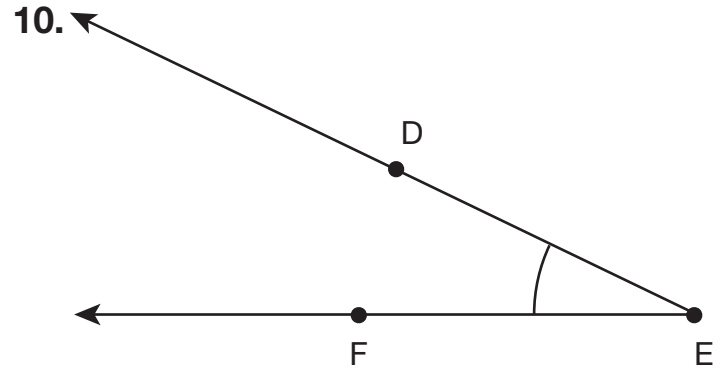
8. Draw $\angle ABC$ as 75° and $\angle XYZ$ as 210° .

Describe the size of each angle in Questions 9–16. Then measure each of the angles with your protractor. You may need to extend the sides of some of the angles to measure.



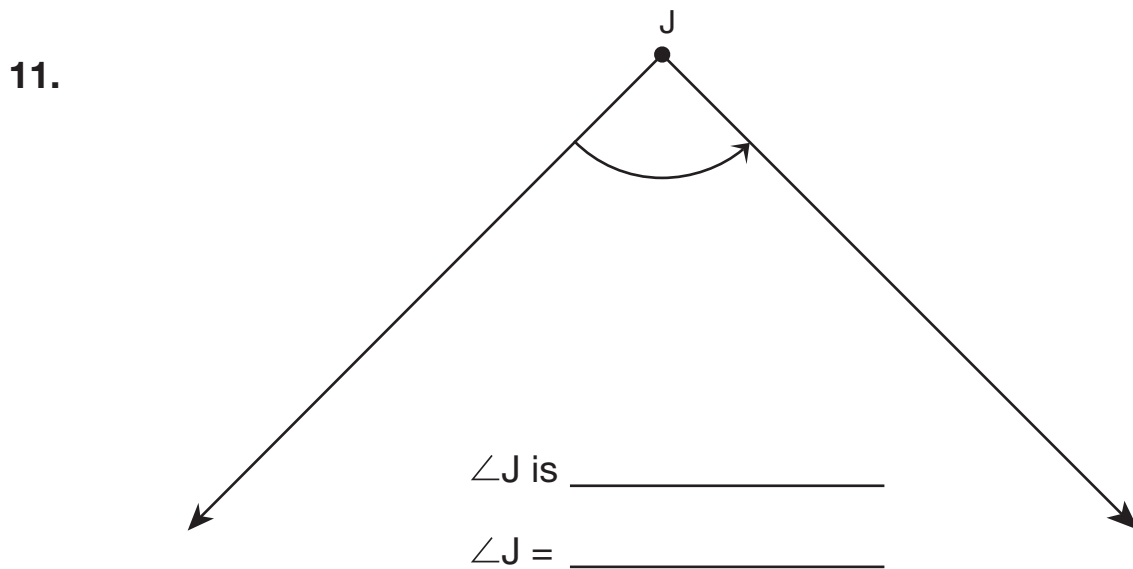
$\angle ABC$ is a little smaller than 90° .

$\angle ABC =$ _____



$\angle DEF$ is _____

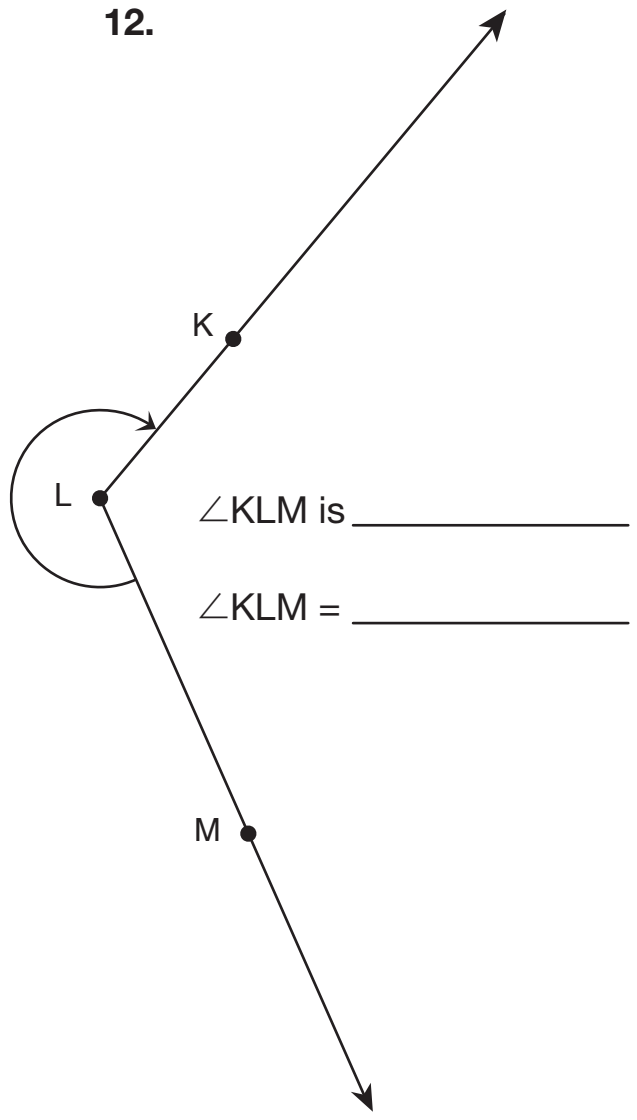
$\angle DEF =$ _____



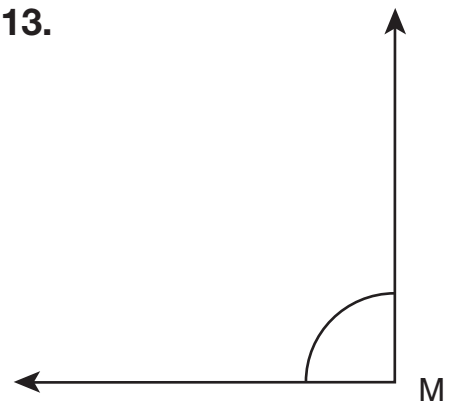
$\angle J$ is _____

$\angle J =$ _____

12.



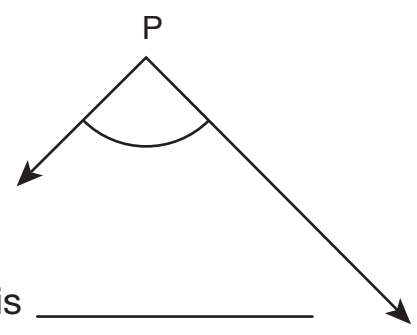
13.



$\angle N$ is _____

$\angle N =$ _____

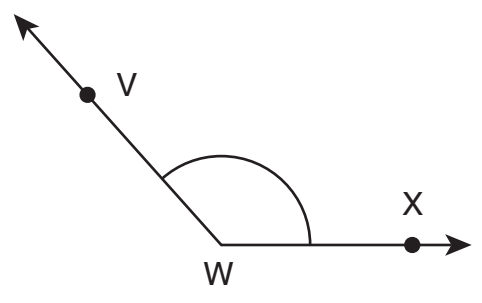
14.



$\angle P$ is _____

$\angle P =$ _____

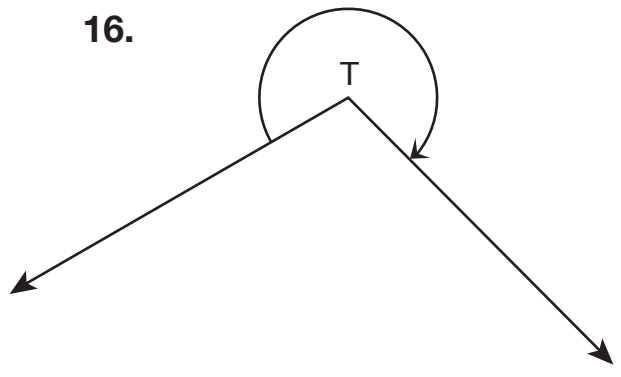
15.



$\angle VWX$ is _____

$\angle VWX =$ _____

16.



$\angle T$ is _____

$\angle T =$ _____