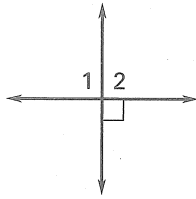


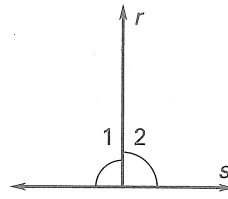
**LESSON 3.6 Practice A**  
For use with pages 190–197

Write the theorem that justifies the statement.

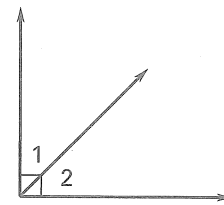
1.  $\angle 1$  and  $\angle 2$  are right angles.



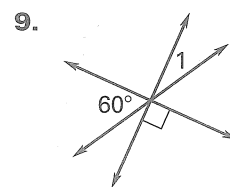
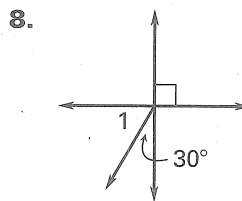
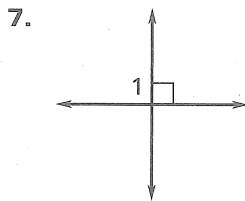
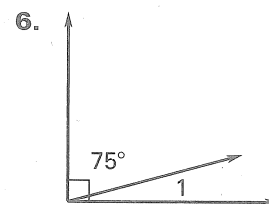
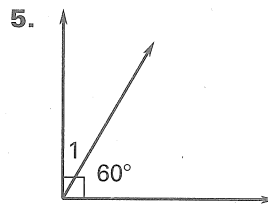
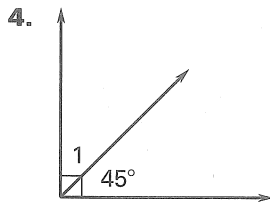
2.  $r \perp s$



3.  $\angle 1$  and  $\angle 2$  are complementary.

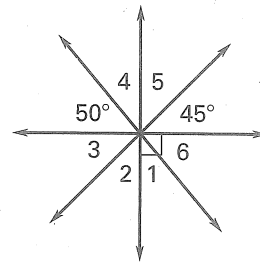


Find  $m\angle 1$ .



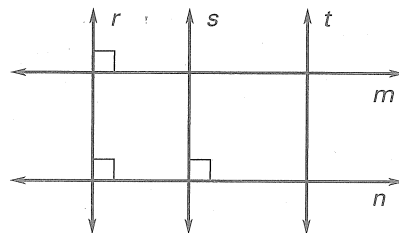
Find the measure of the indicated angle.

- |                |                |
|----------------|----------------|
| 10. $\angle 1$ | 11. $\angle 2$ |
| 12. $\angle 3$ | 13. $\angle 4$ |
| 14. $\angle 5$ | 15. $\angle 6$ |



In Exercises 16–18, use the diagram.

16. Is  $r \parallel s$ ?  
17. Is  $m \parallel n$ ?  
18. Is  $r \parallel t$ ?

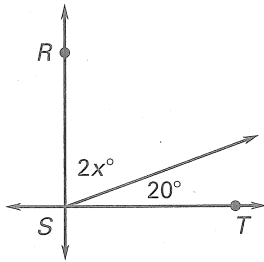


**LESSON**  
**3.6**

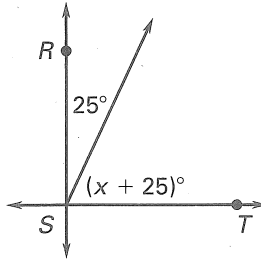
**Practice A** *continued*  
For use with pages 190–197

In the diagram,  $\overleftrightarrow{RS} \perp \overleftrightarrow{ST}$ . Find the value of  $x$ .

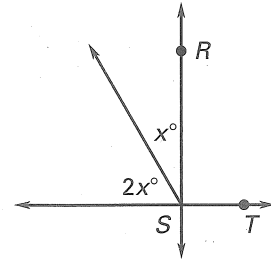
19.



20.

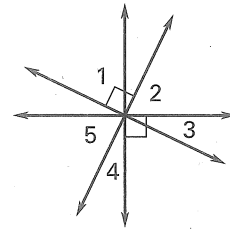


21.

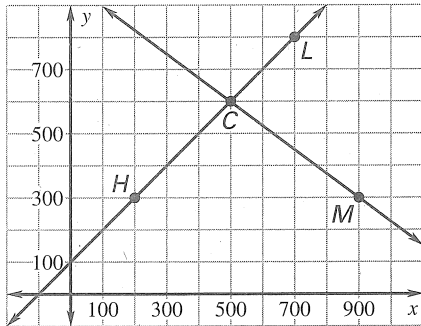


22. **Multiple Choice** Using the diagram, which two angles are complementary?

- A.  $\angle 1$  and  $\angle 2$                       B.  $\angle 3$  and  $\angle 4$   
C.  $\angle 1$  and  $\angle 5$                       D.  $\angle 2$  and  $\angle 4$



23. **Maps** A partial map of a town is drawn on a graph where units are measured in feet. Line  $\overleftrightarrow{HL}$  represents Main Street and line  $\overleftrightarrow{CM}$  represents 4th Avenue. Point  $L$  represents the library, point  $C$  represents the center of town, point  $H$  represents the high school and point  $M$  represents the medical center.



- Find the distance between the medical center to the high school.
- How far away is the medical center from the center of town along 4th Avenue?
- What distance do you walk if you go from the medical center to the library along 4th Avenue and Main Street? Round your answer to the nearest foot.
- Is 4th Avenue perpendicular to Main Street?