

Name _____

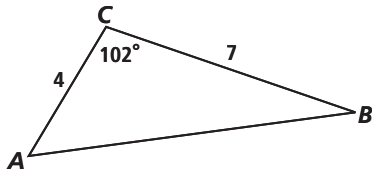
10-8B Lesson Master

Questions on SPUR Objectives
See Student Edition pages 724-727 for objectives.

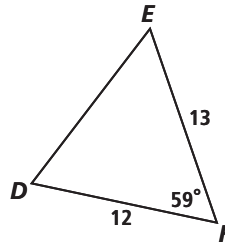
SKILLS Objective C

In 1-10, use the triangle below each question and find the indicated value to the nearest tenth.

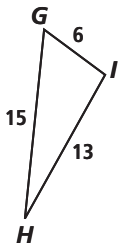
1. AB _____



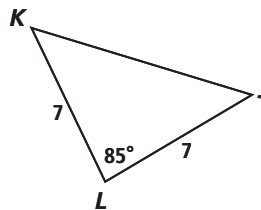
2. DE _____



3. $m\angle G$ _____



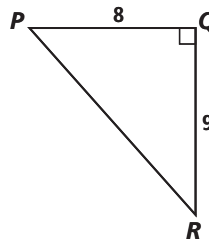
4. KJ _____



5. MN _____



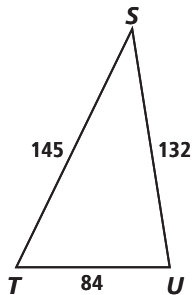
6. PR _____



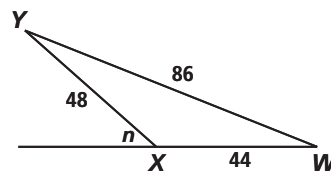
7. $m\angle S$ _____

$m\angle T$ _____

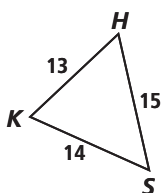
$m\angle U$ _____



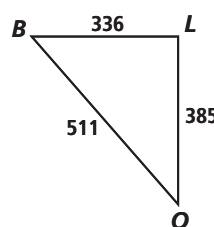
8. n _____



9. Find the measure of the largest angle.



10. Find the measure of the smallest angle.



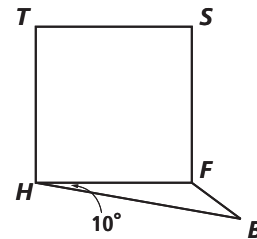
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10-8B

page 2

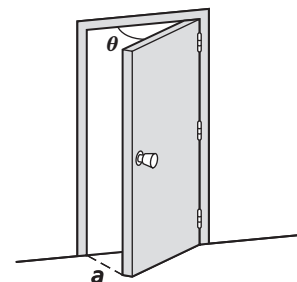
USES Objective H

11. A baseball infield is determined by a square with all sides 90 ft long. In the diagram at the right, home plate is H and first base is F . Suppose the first baseman ran in a straight line from F to catch a pop-up in foul territory at B , 120 ft from home plate. If the measure of $\angle FHB$ is 10° , about how far did the first baseman run?

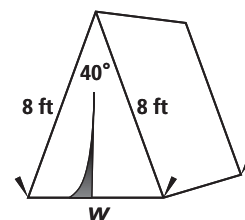


12. Ship A sights Ship B at a distance of 6.4 km, and Ship A sights Ship C at a distance of 7.7 km. The angle between the two sightings is 80° .
- In the space at the right, draw and label a diagram to represent this situation.
 - How far apart are Ship B and Ship C to the nearest tenth of a km?

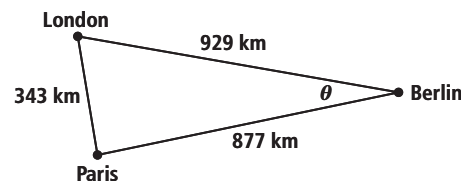
13. Refer to the drawing at the right. At about what angle θ should a 36-inch wide door be opened so that distance a is at least 15 inches?



14. Refer to the drawing at the right. Maxine is designing a tent. If the two 8-ft sides meet at a 40° angle, find w , the width of the tent along the ground to the nearest tenth of a foot.



15. Refer to the diagram at the right. If two planes leave Berlin, one flying directly toward London and the other flying directly toward Paris, by approximately what angle θ do their routes differ?



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