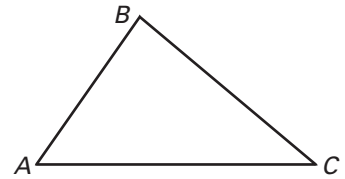


Practice A

For use with pages 212–218

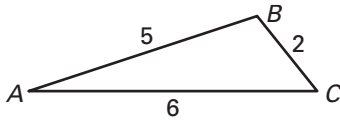
Use the diagram at the right to complete the statement.

1. If $AC > AB$, then $m\angle B > \underline{\quad ? \quad}$.
2. If $m\angle C < m\angle A$, then $\underline{\quad ? \quad} < BC$.
3. If $m\angle C < m\angle A < m\angle B$, then $\underline{\quad ? \quad} < \underline{\quad ? \quad} < \underline{\quad ? \quad}$.

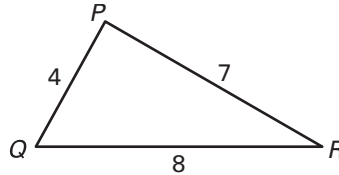


Name the smallest and largest angles of the triangle.

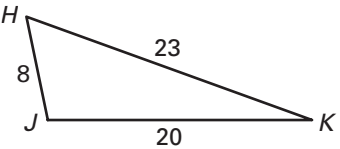
4.



5.

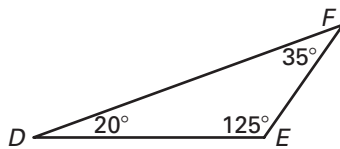


6.

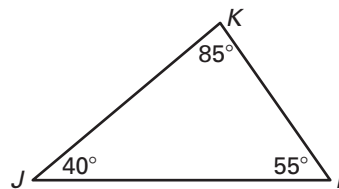


Name the shortest and longest sides of the triangle.

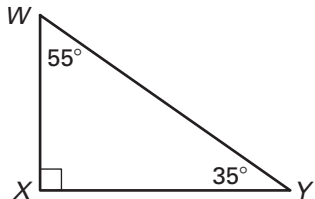
7.



8.



9.



Can the side lengths form a triangle? Explain.

- | | | |
|----------------|--------------|----------------|
| 10. 2, 4, 6 | 11. 4, 5, 7 | 12. 5, 11, 17 |
| 13. 10, 14, 15 | 14. 5, 5, 10 | 15. 24, 25, 38 |

16. In her art studio, Jamie wants the throwing wheel to be 3 feet from the sink, and the table to be both 5 feet from the sink and 4 feet from the wheel. Is this arrangement possible? Explain your reasoning.