

## Triangle Properties Comprehension Check

### Short Answer

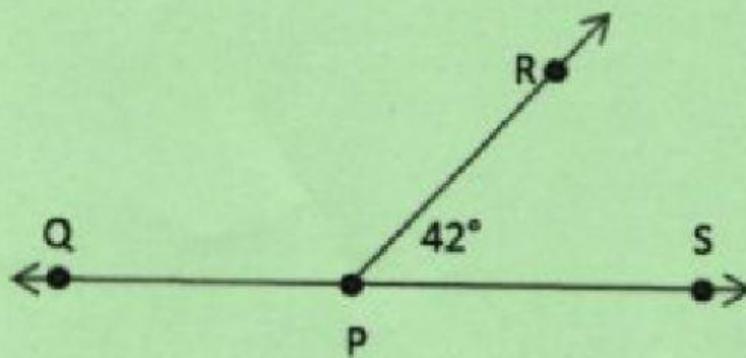
1. Angle  $\angle ABC$  has a measure of  $102^\circ$ . What would be the measure of an angle that is supplementary to  $\angle ABC$ ?

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2. Angle  $\angle XYZ$  has a measure of  $57^\circ$ . What would be the measure of an angle that is complementary to  $\angle XYZ$ ?

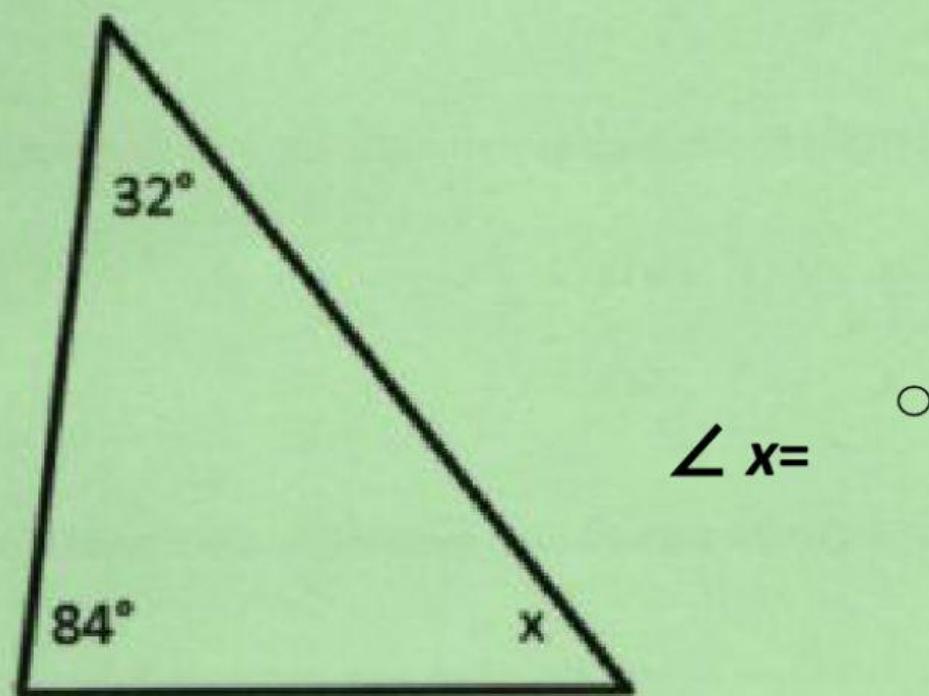
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3. [REDACTED] solve for the measure of  $\angle QPR$

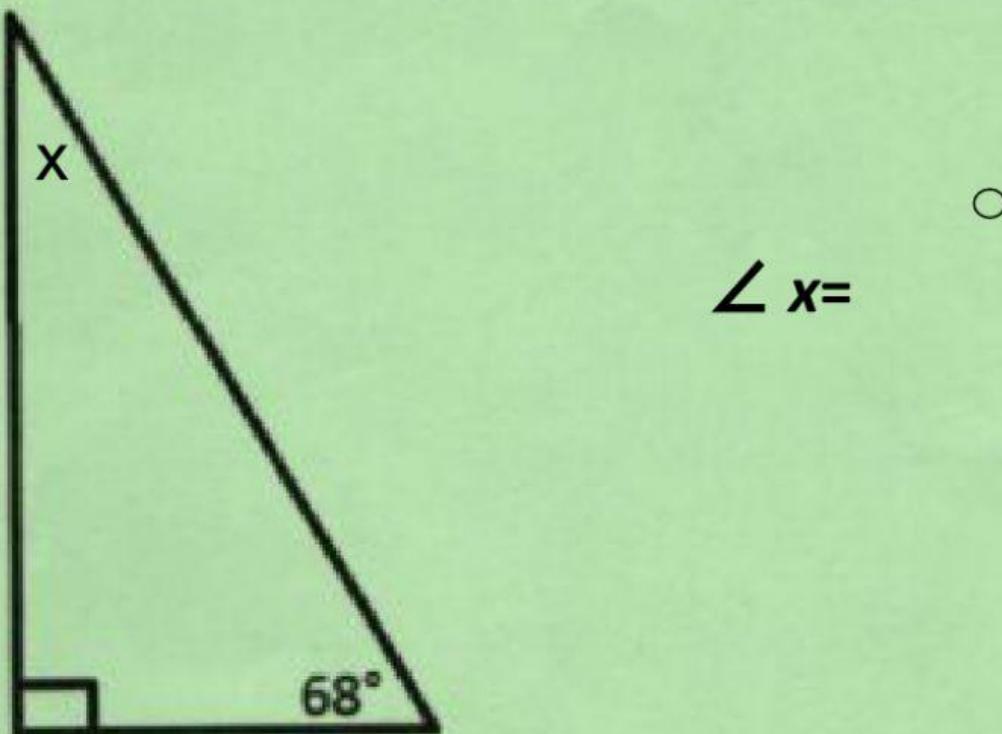


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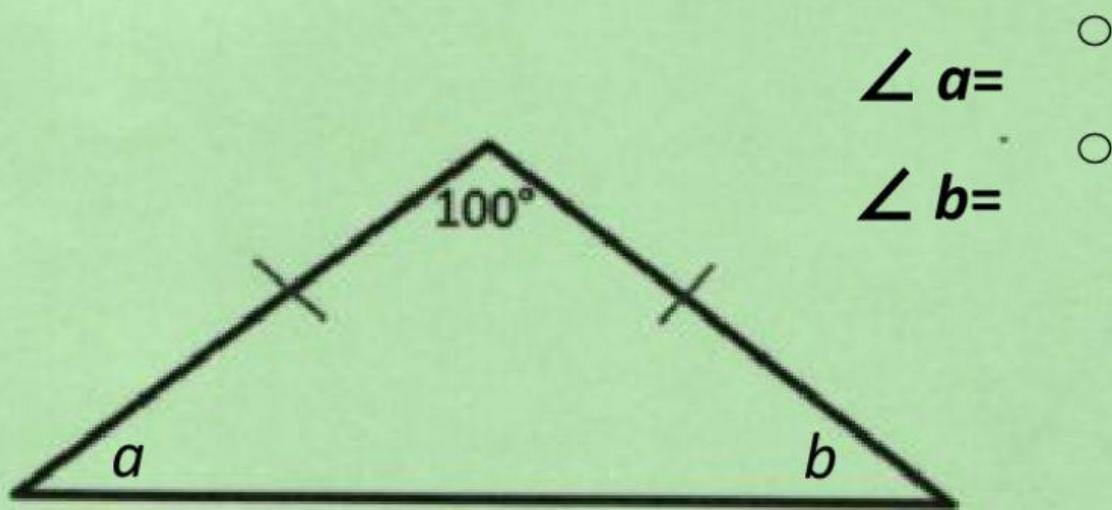
4. Use your knowledge of interior angle sums to solve for the missing angle measure.



5. Use your knowledge of interior angle sums to solve for the missing angle measure.



6. Use your knowledge of interior angle sums to solve for each of the missing angle measures.



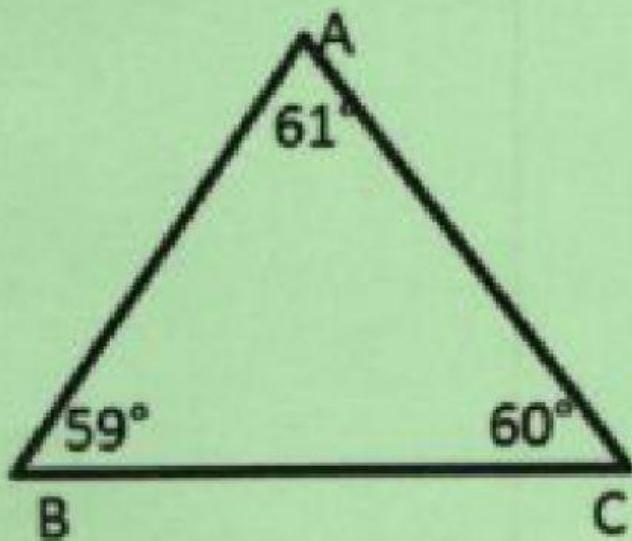
7. Would the following side lengths form a triangle?

3 ft, 9 ft, and 5 ft

8. Would the following side lengths form a triangle?

8 in., 9 in., and 15 in.

9. Identify the longest side of  $\triangle ABC$ .



10. Identify the shortest side in  $\triangle XYZ$ .

