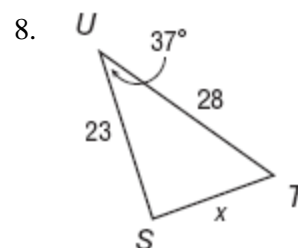
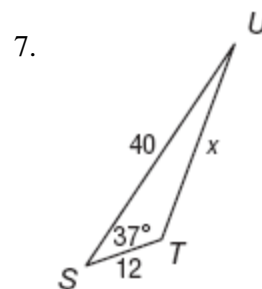
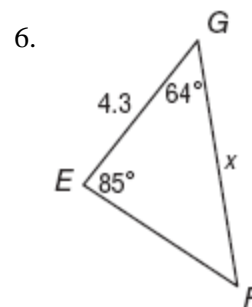
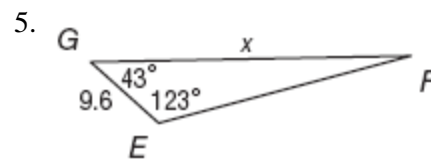
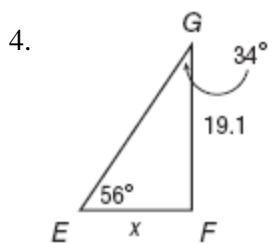
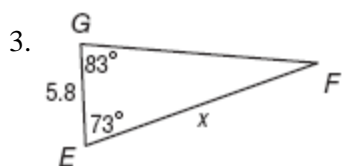
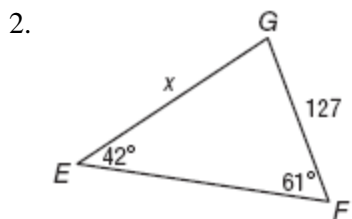
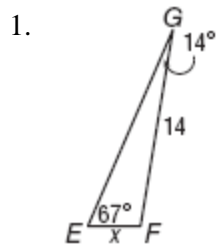


Law of Sines and Cosines Quiz Review

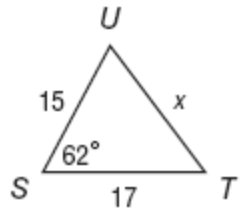
Find x . Round angle measures to the nearest degree and side lengths to the nearest tenth.

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c} \quad a^2 = b^2 + c^2 - 2bc \cos A$$

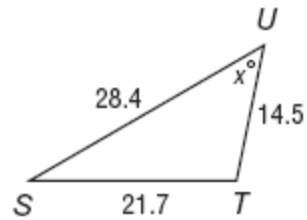


Law of Sines and Cosines Quiz Review

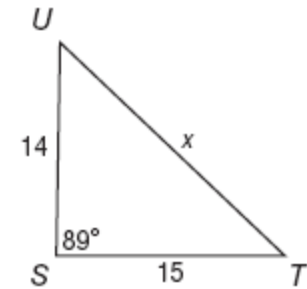
9.



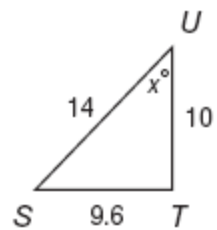
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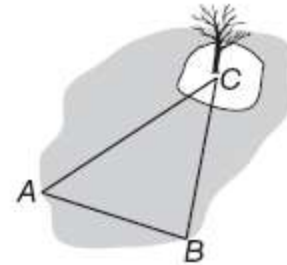
11.



12.



13. **INDIRECT MEASUREMENT** To find the distance from the edge of the lake to the tree on the island in the lake, Hannah set up a triangular configuration as shown in the diagram. The distance from location A to location B is 85 meters. The measures of the angles at A and B are 51° and 83° , respectively. What is the distance from the edge of the lake at B to the tree on the island at C ?



Law of Sines and Cosines Quiz Review

Answer Key

1. 3.7
2. 166.0
3. 14.2
4. 12.9
5. 33.2
6. 8.3
7. 31.3
8. 16.9
9. 16.6
10. 48
11. 20.3
12. 43
13. about 91.8 m