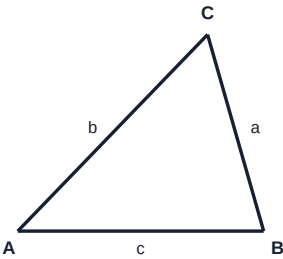


Law of Sines

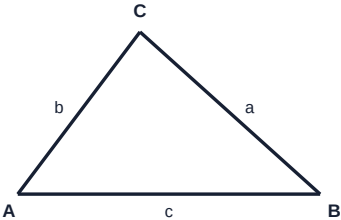
Solve each triangle in degrees. Show the sine proportion, reject any angle set that does not total 180°, and round only final answers to the selected precision.

1. Given $A = 25^\circ$, $a = 8$, and $b = 10$, determine whether zero, one, or two triangles are possible. Solve every valid triangle to the nearest tenth.



Label schematic only; does not assert existence

2. Given $A = 53^\circ$, $B = 42^\circ$, and $a = 13$, solve triangle ABC. Round final values to the nearest tenth.

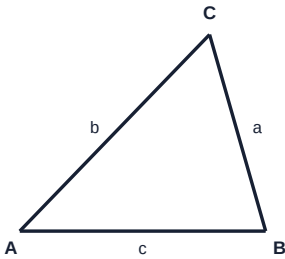


Reference sketch; calculate using the givens.

Law of Sines

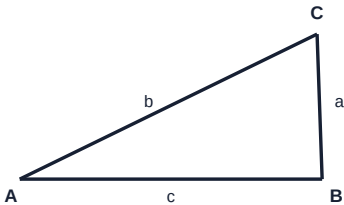
Solve each triangle in degrees. Show the sine proportion, reject any angle set that does not total 180°, and round only final answers to the selected precision.

3. Given $A = 30^\circ$, $a = 4$, and $b = 12$, determine whether zero, one, or two triangles are possible. Solve every valid triangle to the nearest tenth.



Label schematic only; does not assert existence

4. Given $A = 26^\circ$, $B = 88^\circ$, and $c = 7$, solve triangle ABC. Round final values to the nearest tenth.



Reference sketch; calculate using the givens.

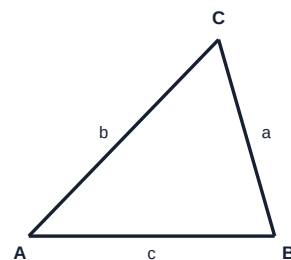
Math Sheet

Name _____ Score _____ Teacher _____ Date _____

Law of Sines

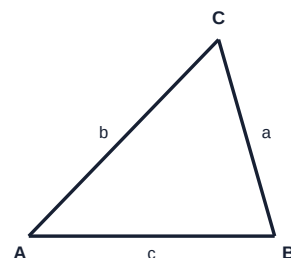
Solve each triangle in degrees. Show the sine proportion, reject any angle set that does not total 180° , and round only final answers to the selected precision.

5. Given $A = 65^\circ$, $a = 18$, and $b = 14$, determine whether zero, one, or two triangles are possible. Solve every valid triangle to the nearest tenth.



Label schematic only; does not assert existence

6. Given $A = 31^\circ$, $a = 10.4$, and $b = 13$, determine whether zero, one, or two triangles are possible. Solve every valid triangle to the nearest tenth.



Label schematic only; does not assert existence

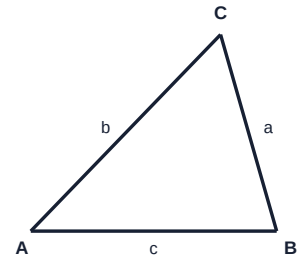
Math Sheet

Name _____ Score _____ Teacher _____ Date _____

Law of Sines

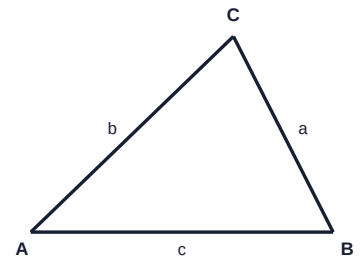
Solve each triangle in degrees. Show the sine proportion, reject any angle set that does not total 180° , and round only final answers to the selected precision.

7. Given $A = 75^\circ$, $a = 11$, and $b = 18$, determine whether zero, one, or two triangles are possible. Solve every valid triangle to the nearest tenth.



Label schematic only; does not assert existence

8. Given $A = 44^\circ$, $B = 63^\circ$, and $a = 11$, solve triangle ABC. Round final values to the nearest tenth.



Reference sketch; calculate using the givens.
