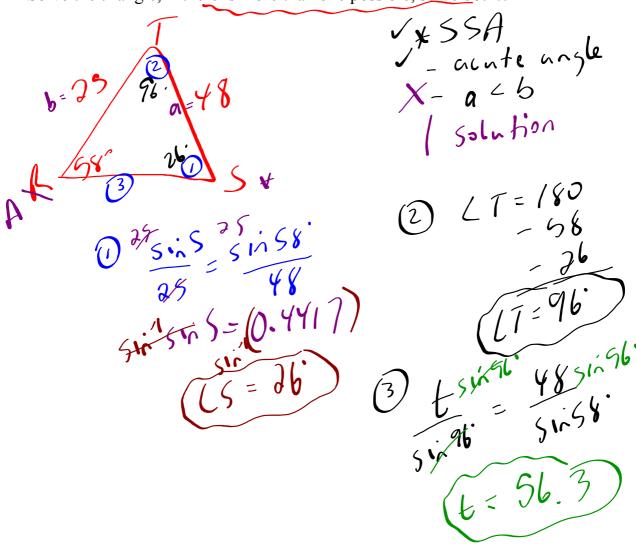
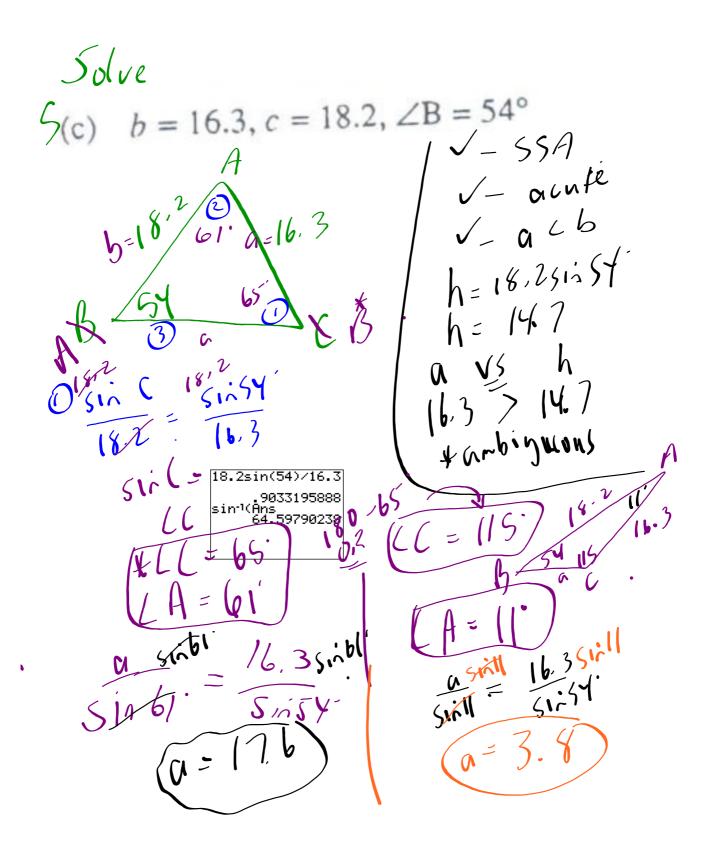
Warm Up

Given $\triangle RST$ has angle $R = 58^{\circ}$, r = 48 and s = 25. Solve the triangle, if there is more than one possible, solve both!!





7. The Raven's Song, a traditional Tsimshian cedar canoe, is paddled away from a dock, directly toward a navigational buoy that is 5 km away. After reaching the buoy, the direction of the canoe is altered and it is paddled another 3 km. From the dock, the angle between the buoy and the canoe's current position measures 12°.

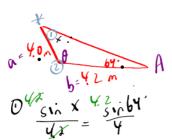
a) How far is the Raven's Song from the dock?
b) Is this the only possible solution? Explain.

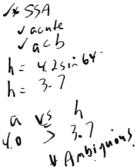
Bill Helin carved the Raven's Song from a 600-year-old cedar taken from the Nimpkish Valley. The canoe was created to carry a message of goodwill from the First Nations Peoples of the West Coast of British Columbia to the 1994 Commonwealth Games in Victoria.

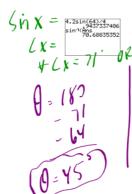
- 8. An obtuse triangle has two known side lengths: 4.0 m and 4.2 m.

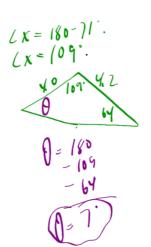
 - The angle that is opposite the shorter side measures 64.0°.

 a) Calculate the obtuse angle in the triangle, to the nearest tenth of a
 - b) Is there only one possible answer? Explain.









Homework...

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