Quiz #5 Name: Due Nov 6th @ beginning of class

You may only use your textbook, your notes, and your calculator on these problems. You may not use any outside resources, including tutors or solution manuals. Remember that the purpose of these quizzes is to see if you understand what you have learned on your homework, and also to tell you what you still need to study for the upcoming exam. **(NOTE: this quiz is two-sided.)**

1. (2 points) Explain why the expected response for and not .
2. (2 points) The angle of elevation of the top of the angel Moroni on the Rexburg Temple from point on the ground is . From point , feet further from the temple, the angle of elevation is . What is the height of the Rexburg temple, including Moroni? (Remember to draw and label your picture.)
3. (2 points) Some textbook authors suggest when using the law of cosines with an SSS case, that the largest angle should be found first. Why do you think this is suggested? (HINT: think about the angles.)
4. (2 points) Determine the number of triangles with the given parts and solve the triangle (please provide labeled pictures).
5. (2 points) Solve the triangle with the given parts (please provide label pictures):