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|  | Beginning1 | Developing2 | Accomplished3 | Exemplary4 | Score |
| **Solve for any missing values using given information about various items** | Solutions are entirely unrelated to the 3 primary trigonometric functions.  Solutions have no mathematical relevancy. | Solutions refer to the 3 primary trigonometric functions, but otherwise are not used. | Solutions are related to the 3 primary trigonometric functions. Improper use of formulas, or slightly inaccurate answers are in this category.  | Solutions are easy to follow and use any of the 3 primary trigonometric functions properly.  Numeric answers are accurate. |  |
| **Explain methods used to find missing values of given objects** | Explanations are not relevant to the problem solved. | Explanations explain little of "what" was done. Little or no mention of the 3 trig functions. | Explanations correctly explain "what" was done, but not "why".  Explanations show that the 3 trig functions were used.  | Explanations are detailed and describe "why" each step was done.  Explanations show how to use the 3 trig functions. |  |
| **Research the actual answers for each of the problems given** | Answers to questions do not reflect any research into the actual answers. | Answers to questions reflect research for only some actual answers | Answers to questions reflect research for most of the actual answers. | Answers to questions reflect that all the actual answers were found and used. |  |
|  **Explore what accuracy means, and how it relates to the problems solved** | Questions are not answered, or are not relevant.  No examples are given on when accuracy is necessary. | Questions are answered with single words or short phrases. 1 poor example is given on when accuracy is necessary. | Questions are completed with little effort.  1 good or 2 poor examples are given on when accuracy is necessary.  | Questions are answered completely and refer to the problems.  At least 2 examples are given on when accuracy is necessary. |  |
| **Overall Project Score** | Final product is incomplete. | Final product is missing pieces, has poor writing and is not organized. | Final product is complete, but has some faulty writing or is not organized. | Final product is complete, clean, well-written and well-organized. |  |