<table>
<thead>
<tr>
<th><strong>Overview &amp; Purpose</strong> (What will be learned and why it is useful.)</th>
<th>The purpose of this lesson is to inform students of the different vocabulary associated with the Pythagorean Theorem. Understanding the vocabulary will help to make the learning of the theorem easier.</th>
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<td><strong>Education Standards Addressed</strong> (The state/national education standards that this lesson satisfies.)</td>
<td>&quot;The vision guiding these standards is that all students must have the opportunities and resources to develop the language skills they need to pursue life's goals and to participate fully as informed productive members of society. These standards assume that literacy growth begins before children enter school as they experience and experiment with literacy activities -- reading and writing, and associating spoken words with their graphic representations. Recognizing this fact, these standards encourage the development of curriculum and instruction that make productive use of the emerging literacy abilities that children bring to school. Furthermore, the standards provide ample room for the innovation and creativity essential to teaching and learning. They are not prescriptions for particular curriculum or instruction.&quot; --NCTE</td>
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| **Objectives** (Specify skills/information that will be learned.) | - Students will first have to define the terms in their own words so I can see how much they already know  
- Students will then be shown the exact definitions  
- Students will be asked to search for more definitions on their own  
- Students will have to apply their knowledge of the new words they learned to actually solving the Pythagorean Theorem |
| **Information/Content to be covered** (Give and/or demonstrate necessary information) | - Vocabulary words  
- Video to enhance their understanding of what will be learned |
| **Introductory Activity and Procedures (include time frames)** | As an introductory activity, students will watch a YouTube clip about the Pythagorean Theorem. This will help to jumpstart any background knowledge that the students have on the subject. This will happen at the beginning of the lesson plan. |
| **Developmental Activity and Procedures (include time frames)** | After showing the video, the students will then be shown the different vocabulary words and will have to define them the best they can on their own. After I see how much they already know, I will show the students the actual definitions and hopefully have them copy the definitions in their note. After learning the definitions I have shown in class, students will have to search for more vocabulary words on their own in order to enhance their ability to do research. |
| **Concluding Activity (Describe the independent/concluding activity to reinforce this lesson; include time frames)** | As a concluding activity, the students will have to write a short response about the Pythagorean Theorem using the new terms they have just learned. |
| **Plans for students with diverse needs** | Students with diverse needs will not be expected to know the definitions word for word. They will also not be expected to have any prior knowledge on the subject when trying to define the terms on their own. |
| **Alternative activities**  
(emergency plans/flexibility) | As an alternate activity, students would have to go to the computer lab and search the creator of the Pythagorean Theorem, Pythagoras. They will have to search for terms on their own as well as write a short response about who Pythagoras was. |
|-----------------------------|--------------------------------------------------------------------------------------------------|
| **Evaluation/Verification**  
(Steps to check for student understanding which can but are not limited to assignments, in-class work, etc.) | -Check how much the students already knew about the terms associated with the Pythagorean Theorem.  
-Observe how they react to the video clip  
-Check how much they have learned by the responses they have written. |
| **Include links to the objectives** |  |
| **Materials Needed**  
Paper  
Pencil  
Others | -Notebook  
-Computer  
-Projector board  
-YouTube clip  
-Pen  
-Dictionary |
| **Other Resources**  
(e.g. Web, books, etc. be sure to include source information) |  |