100

Name	
Period	

Pythagorean Theorem Checklist

Presentation:

- Has proper heading and title ***(2 pts)***
- Organized/neat/well spaced and written/typed only on one side of page ***(5 pts)***
- Writing is clear and concise, spelling and grammar is correct. (***5 pts)***
- Other ***(5 pts)***

Question (Problem Statement):

- Writes the problem in ***own words*** with all the important information ***(3 pts)***

Process:

- Clearly states the overall strategy (**plan**), no numbers are used ***(5 pts)***
- Shows the process in the t-chart format (math in one column and words in the other column) ***(2 pts)***
- Uses appropriate diagrams to help explain the process. ***(3 pts)***
- Shows work , accurately calculates "***y"*** & explains why "***y***" was needed ***(5 pts)***
- Explains, in this problem, how the diameter and hypotenuse are related. ***(2 pts)***
- Explains when the Pythagorean Theorem can be used & why it is used in this problem ***(4 pts)***
- Explains why " ***y"*** was divided in half & states half of "***y " (2 pts)***
- Gives formula, accurately calculates area of whole circle, & explains the process ***(8 pts)***
- Gives formula, accurately calculates area of rectangle & explains the process ***(6 pts)***
- Accurately calculates the area of the shaded region and explains the process of calculating the area of the shaded region ***(6 pts)***

Solution:

- Answers the question accurately (gives appropriate units) in complete sentence. ***(3 pts)***

Proof:

- Shows the proof in the t-chart format & these steps are different from the **process** steps ***(6 pts)***
- Explains how the answer to "***y"*** is going to be justified & justifies "***y*** " is correct (uses math & explanation) ***(4 pts)***
- Explains how the area of the circle is going to be justified and justifies the area of the circle (uses math and explanation) ***(4 pts)***
- Explains how the area of the rectangle is going to be justified and justifies the area of the rectangle (uses math and explanation) ***(4 pts)***
- Explains how the shaded region is going to be justified and justifies ,with math & explanation, the area of the shaded region is correct ***(4 pts)***

Evaluation:

- Answers the following questions:
    - What I learned from this problem? ***3 pts)***
    - What grade do I deserve? Why?(give at least 3 reasons that relate to content) ***(6 pts)***