**Directions :**

Use your guiding questions to answer the questions.

Underline the question.

Place all information necessary in the work box from the question.

Create a plan and show your work to solving the problem.

Go back and make sure you answered the question and it makes sense.

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| The figure below shows the length of side DC equal to 120 units and the length of side DB equal to 160 units.    What is the length of AC? |  |
| The right triangular flag of a sports club was designed to have a base length of 4 ft and height of 6 ft. For a sports event, the club made a new flag by doubling the base and height of the flag. The area of the new flag is \_\_\_\_\_\_ times larger than the original flag. |  |
| Gina has designed two triangular flower beds, as shown below.  Which statement is true for the two flower beds?  A. They have different areas.  B. They have the same perimeter.  C. The length of side BC is equal to 10 feet.  D. The length of side PQ is equal to 10 feet. |  |
| “If two supplementary angles are congruent,  then they are right angles.”  What is the contrapositive of this statement? |  |

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| Write a valid conclusion?  If you don’t like math, then you are from Mars.  If you are from Mars, then you are an alien. |  |
| Plot Point R with integral coordinates that lies on a line that is parallel to *t* and passes through point P. |  |