**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.**

 **Solve the problems in the space provided on the right side of the paper. In the little box on the upper corner, mark a +, -, or ? based on your understanding of the question. Place a + mark if you know the question and are confident of your answer; place a – mark if you are unsure of the question but have an idea of where to start; place a ? mark if you do not know where to begin a plan.**

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| **A sphere has a volume of 36**$π$**. What is the surface area of a cylinder with the same radius?** |  |