**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.**

|  |  |
| --- | --- |
| 1. **A glass is in the shape of a cylinder with a height of 8 inches and a radius of 2.5 inches. About how many cubic inches of water does it hold if filled to the top?** |  |
| 1. **A can of soup has a diameter of 1.8 centimeters and a height of 5.2**   **centimeters. What is closest to the surface area of the can?** |  |
| 1. **How much more juice will fit in this cylinder when it is already half full?** |  |
| 1. **Which is closest to the total surface area of a cylinder with a radius of 5 inches and a height that is equal to its diameter?** |  |