INT108-1.3 Lab: Answer the following lab questions. Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Refer to print PR1301 drawing number 217C017 from the text book instructor package. Answer the following questions.

1 How many datums are identified?    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 Before datum A can be used as a datum, what qualification must it meet?

              
3 What feature is used to establish datum B?

          
4 Why do the coordinate location dimensions have boxes around them?

          
5 How many feature control frames specify a bonus tolerance?    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6 The depth (front-to-back distance) of the part has a tolerance specified by the title block as .02″ (±.01″).   Nevertheless, the front surface must still be parallel to the back by what amount?

          
7 What is the MMC of datum feature B, which has a title block tolerance specification of .010″ (±.005″)?

8 What is the part number of this print?    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9 How many threaded holes are there on this part?    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10 What is the radius of the four corners of this part?    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11 What type of metal should be used for this part?

          
12 What is the size tolerance on the four largest counterbore diameters?

          
13 What is the overall height, width, and depth of this part?

          
14 What type of section view is the right side view?

          
15 What type of representation is used to show the threads in the section view?

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