NAME _____

Industry Print Exercise 13-2

1. For each of the references below, check whether the datum feature is used to establish a "Datum Axis", "Datum Plane" or "Datum Center Plane".
   Datum A _____axis or _____ plane or _____ center plane
   Datum A _____axis or _____ plane or _____ center plane
   Datum A _____axis or _____ plane or _____ center plane
   Datum A _____axis or _____ plane or _____ center plane
   Datum A _____axis or _____ plane or _____ center plane

2. Besides true position, what geometric controls are specified on this print? _____
   _____

3. Are the basic dimensions of this print size dimensions, location dimensions or both? _____

4. For the four threaded holes not marked "A", a(n) _____ tolerance is applied, as indicated by the double-layer feature control frame.

5. What is the perpendicularity tolerance used to qualify datum feature A? _____

6. Are there any instances wherein the datum reference is a size feature, allowing it to be referenced with an MMC modifier? _____

7. There is a small circle on the leader line elbow for one of the feature control frames that has a profile of surface control. What does that circle indicate? _____

Review questions based on previous units:

8. What is the scale of the original print? _____

9. What is the name of this part? _____

10. Are there any auxiliary views shown? _____

11. How many threaded holes are there total? _____

12. What is the major diameter of the threaded holes? _____

13. For the two slotted holes shown best in the top view there are two MMC measurements, one in the depth direction and one in the width direction. What are they? _____

14. In the upper-right corner, outside of the border line near the revision block, what does the number "T146479" indicate? _____

15. What in the overall height, width, and depth of the part? H_____ W_____ D_____