1st Quarter Blueprint Final Exam

Name

Score

Instructions: Enter the letters from the pictoral view into the corresponding balloons on the orthographic views.
Instructions: Place the letters from the pictoral views on their respective surfaces in the orthographic views.
Instructions: Circle the letter that represents the correct orthographic view for each of the pictoral views shown above.
Instructions: Circle the letter that represents the correct right-side view for each of the shapes shown above.
Instructions: Select the correct orthographic view to correspond with the arrowhead for each pictoral view shown above. Enter the correct letters in the balloons provided.
Instructions: Add the missing lines to the top and/or the right-side views only. Include the hidden lines.
1. What is the diameter of the material specified? ____________________
2. What do the letters CD in the material specs abbreviate? ____________________
3. What center dill number is specified? ____________________
4. How many chamfers does the shaft contain? ____________________
5. What neck diameter is required adjacent to the thread chamfer? ____________________
6. What is the neck diameter between the threads and the taper? ____________________
7. What is the length of the threaded section? (include the chamfer) ____________________
8. How many “full” threads will the threaded section contain? ____________________
9. What is the decimal pitch of the specified thread? ____________________
10. Calculate the small diameter of the tapered section. ____________________
11. What method of thread representation was used? ____________________
12. What thread class fit is specified? ____________________
13. What thread series is specified? ____________________
14. Show the limits of the overall length. _________  __________
15. Show the limits of the tapered length. _________  __________

NOTE: Each answer on this page is worth 2 points. No. 10 is worth 2 bonus points.