

TITAN-502M RC Blueprint Reading Quiz

Name: _____ Date: _____

1. What material is specified for the TITAN-502M part?
2. What is the general dimensional tolerance for one-place decimals ($X = \underline{\hspace{1cm}}$)?
3. What is the general dimensional tolerance for three-place decimals ($XXX = \underline{\hspace{1cm}}$)?
4. What is the angular tolerance listed on the drawing?
5. What surface-finish requirement is specified in micro-inches?
6. According to the notes, what should be done to all sharp edges?
7. What is the maximum allowable fillet radius unless otherwise specified?
8. What is the scale of the main drawing on Sheet 1?
9. Who is listed as the drafter of this part?
10. What is the drawing number and revision?
11. What is the overall length of the part?
12. How wide is the part at its largest width?
13. Identify the nominal diameter of the two holes called out as $.6250 \pm .0005$.
14. How many holes are dimensioned $.742 +0/-0.003$ in diameter?
15. What does the "2X" prefix before a dimension indicate?
16. In Section A-A, what is the tolerance zone of the feature controlled by $.002 \text{ M A B}$?
17. What type of thread is specified on one of the holes (include size and thread form)?
18. Which section view (A-A or B-B) shows the 1/2-20 UNF threaded hole?
19. What does the note "THIS IS A MINIMAL DIMENSION DRAWING. THE CAD MODEL IS THE MASTER..." mean for manufacturing or inspection?
20. What alloy temper designation follows the base material 6061, and what does it represent?