

Student Name _____ Period _____ Grade ____/25

PRINT READING EXERCISE #5

QUESTIONS

1. At what angle is the offset arm to the body of the piece?
2. What is the center-to-center measurement of the length of the offset arm?
3. Which radius forms the upper end of the offset arm?
4. Which radii form the lower end of the offset arm where it joins the body?
5. What is the width of the bolt slot in the body of the bracket?
6. What is the center-to-center length of this slot?
7. What was the slot width before revision?
8. Which radius forms the ends of the pad?
9. What is the overall length of this pad?
10. What is the overall width of the pad?
11. What is the radius of the fillet between the pad and the edge of the piece?
12. What is the diameter of the shaft carrier body?
13. What is the diameter of the shaft carrier hole?
14. What is the distance from the face of the shaft carrier to the face of the pad?
15. What is the radius of the inside fillet between the arm and the body of the piece?
16. If .50 bolts are used in holding the bracket to the machine base, what is the clearance on each side of the slot?
17. If the center-to-center distance of the two .50 bolts which fit in the slot is 1.50, how much play is there lengthwise in the slot?
18. What size oil hole is in the shaft carrier?
19. How far is the center of this hole from the face of the shaft carrier?
20. How thick is the combined body and pad?
21. Calculate distances "R", "S", & "T"
22. The hole in the shaft carrier was revised. What is the difference in the size between the new and old hole?
23. If .03 is allowed for each surface to be machined, what would be the overall thickness of the original casting?

1	8	15	21 (S)
2	9	16	21 (T)
3	10	17	22
4	11	18	23
5	12	19	
6	13	20	
7	14	21 (R)	