

PROJECT PLANNING TEST (35 points)

Directions: Complete the question with the best possible answer according to what you know about the planning process.

1. What is a board foot?
2. What is the guideline for finding the rough length of a board?
3. What is the rough thickness of a board if the finish thickness is  $\frac{3}{4}$ ?
4. Why can't you use a board over 5" in width without cutting and gluing it?
5. How do you figure out how much plywood you will need for a project?
- 6-7. What are the 2 guidelines for finding the rough width of a board?
8. If the finish thickness is  $2 \frac{1}{4}$ " what is the rough thickness?
- 9-11. What are the dimensions of one board foot?
12. What is the guideline for finding the rough dimensions of plywood?
- 13-15. What are the 3 items that you need to include in a complete set of project plans:
  - 1)
  - 2)
  - 3)
16. What is the minimum length of a board that can be sent over the jointer?
17. Why include a Plan of Procedure in you plans?
18. How do you find the cost of your project that appears on your Bill of Materials?

19-20. Explain the process for gluing wood edge to edge.

21-24. The following are the finish sizes-----put them into rough sizes and then use the necessary information to figure out how much lumber you will need to build the table top. The finish sizes are  $\frac{3}{4}$ " thick  $18\frac{3}{4}$ " wide  $42\frac{1}{4}$ " long

SET UP THE FORMULA TO FIND THE TOTAL AMOUNT OF BOARD FEET?

25-30. The following are the dimensions for a project, what is the total amount of board feet that will be used in the project? You must convert to rough sizes.

4 piece  $\frac{3}{4}$ "thick  $3\frac{1}{2}$ " wide  $45\frac{3}{4}$ " long

(show all work)

31-33. The lumber in the above problem costs \$1.15 per board foot. What is the cost of lumber needed for the project?

34-35. What information can you get off of your drawings? List all you can.