



Pathfinder's Name

Carpentry

1. Describe the function of the following tools:

Band saw _____

Belt sander _____

Jig saw _____

Miter saw _____

Radial arm saw _____

Router _____

Shaper _____

Wood lathe _____

2. Demonstrate how to use the following tools:

- a. Block plane
- b. Circular saw (cut a straight line)
- c. Framing square
- d. Hammer
- e. Hand saw (cut a straight line)
- f. Level
- g. Measuring Tape
- h. Nail set
- i. Plumb bob
- j. Wood chisel

3. Describe the use of and distinguish between the following types of nails:
- 20 penny _____
- 16 penny _____
- 12 penny _____
- 8 penny _____
- 6 penny _____
- Finish _____
- Brad _____
- Roofing _____
- Screw nail _____
- Sinker _____
- Common _____
- Galvanized _____
4. Assist in erecting a frame building not less than 6 x 8 feet (1.8 meters x 2.4 meters) in ground dimensions, with a gable roof, and with at least one door and one window, demonstrating ability to measure and use of tools from requirement 2.
- Completion date _____
5. When building the above project, use all of these features:
- a. Floor joist
 - b. Sub floor
 - c. Shoe plate
 - d. Top plate
 - e. Double plate
 - f. Conventional roof or trusses
 - g. Felt roof
 - h. Shingles
 - i. Window with weight-bearing header
 - j. Door with weight-bearing header
 - k. Fascia on eaves
 - l. Siding

Note: Participants must be 16 years and older to use power tools.

Date completed _____

Instructor's Signature _____