

# Band Saw Safety and Scroll saw Safety Test

Name \_\_\_\_\_ Date \_\_\_\_\_

Multiple Choice - Write the letter that best answers the question to the left of the question number.

- \_\_\_\_\_ 1. Before operating the band saw the following is required:
- a. Close one eye to get a sight line
  - b. Wear proper eye protection and have all safety devices in place
  - c. Test the sharpness of the blade by running your finger over it
  - d. Wear head protection such as a hard hat
- \_\_\_\_\_ 2. The guards on the band saw should be adjusted to be approximately
- a.  $\frac{1}{8}$  to  $\frac{1}{4}$  inch above the stock
  - b.  $\frac{5}{16}$  to  $\frac{1}{2}$  inch above the stock
  - c.  $\frac{5}{8}$  to  $\frac{3}{4}$  inch above the stock
  - d. 1 to 2 inches above the stock
- \_\_\_\_\_ 3. Your fingers should never get within \_\_\_\_\_ inch(es) of the blade cutting line.
- a.  $\frac{1}{2}$       b.  $\frac{3}{4}$
  - c. 1         d. 2
- \_\_\_\_\_ 4. When cutting curved or irregular shapes with the band saw \_\_\_\_\_ are needed to keep the blade from binding.
- a. Miter gauges
  - b. V-blocks
  - c. Relief cuts
  - d. Rip fences
- \_\_\_\_\_ 5. When cutting cylindrical stock a \_\_\_\_\_ must be used.
- a. Roller bearing
  - b. Rip fence
  - c. Twist bit
  - d. V-block

- \_\_\_\_\_ 6. While band saw is running, never use your \_\_\_\_\_ to remove small scrap from the cutting path.
- Fingers
  - Push Stick
  - Pencil
  - Stock being cut
- \_\_\_\_\_ 7. If it is necessary to back the stock out of a cut you must:
- Use another board to slow down the blade
  - Pull the stock as hard as you can while blade is moving
  - Adjust blade tension while blade is moving
  - Shut machine off and wait for the blade to come to complete stop then remove stock.
- \_\_\_\_\_ 8. While operating the band saw it is a safe practice to:
- Maintain a balanced stance at all times
  - Open wheel guards while saw is running
  - Reach across material being cut
  - Talk to any one near by, explaining your technique
- \_\_\_\_\_ 9. When cutting with the band saw you should:
- Make sure you are aware of your surrounding, look around the shop once in while cutting stock
  - Make sure you have an audience so that you can explain what you are doing
  - Always concentrate on what your doing, never talk to anyone nor look away from the cut
  - Remove scrap from the saw and floor only at the end of the hour
- \_\_\_\_\_ 10. If the blade breaks while you are using the band saw you should.
- Try to finish your cut
  - Turn off the power and notify the instructor immediately
  - When convenient, inform the instructor, preferably at the end of the class period
  - Tell no one and hope someone else gets blamed

\_\_\_\_11. The correct blade width to use for a specific job depends on

\_\_\_\_\_.

- a. Speed of the cut
- b. The radius of the cut
- c. Material being cut
- d. Does not matter

\_\_\_\_12. Why is it unsafe to cut with a dull blade?

- a. You have to exert too much pressure to make the cut which could cause your hands to slip off the work
- b. It isn't. A sharp blade will cut you deeper
- c. Band saw blades do not dull. This a trick question
- d. Band saw blades do not dull. This a trick question