LABORATORY SAFETY REVIEW (HW #4)

Name: ___________________________ Lab Period (i.e. W2-3): _____
Assigned Roster Number (i.e. XYZ): ____________ Grader’s Initials: ______

Description: This assignment reviews important safety for working in the laboratory. The course webpage contains a list of mistakes students commonly make when using the laboratory equipment:

http://www2.mae.ufl.edu/designlab/Safety/Common%20Student%20Mistakes.pdf

Based on the information presented above, answer the following questions so you can avoid these mistakes. WORK INDIVIDUALLY TO ANSWER THESE QUESTIONS. Ask the TAs or instructor to review material you don’t understand. Messy work or answers not hand written on these assignment pages and stapled together will be penalized 25%. Please write your correct lab period and roster number on the cover page.

Since your personal safety is so important, each student must achieve a 100% on this assignment before being allowed to use any laboratory equipment for robot prototyping.

1. List four mistakes that can cause severe personal injury when working on the lathes:
   1. ____________________________________________________________________________
   2. ____________________________________________________________________________
   3. ____________________________________________________________________________
   4. ____________________________________________________________________________

2. List three mistakes that can cause severe personal injury when working on the mills:
   1. ____________________________________________________________________________
   2. ____________________________________________________________________________
   3. ____________________________________________________________________________

3. List two mistakes that can cause severe personal injury when working on the drill presses:
   1. ____________________________________________________________________________
   2. ____________________________________________________________________________
4. List ten mistakes that can cause personal injury when working with sheetmetal:
   1. ........................................................................................................................................................................
   2. ........................................................................................................................................................................
   3. ........................................................................................................................................................................
   4. ........................................................................................................................................................................
   5. ........................................................................................................................................................................
   6. ........................................................................................................................................................................
   7. ........................................................................................................................................................................
   8. ........................................................................................................................................................................
   9. ........................................................................................................................................................................
   10. .....................................................................................................................................................................

5. List seven mistakes that can cause equipment damage when working on the lathes:
   1. ......................................................................................................................................................................
   2. ......................................................................................................................................................................
   3. ......................................................................................................................................................................
   4. ......................................................................................................................................................................
   5. ......................................................................................................................................................................
   6. ......................................................................................................................................................................
   7. ......................................................................................................................................................................

6. List seven mistakes that can cause equipment damage when working on the milling machines:
   1. ......................................................................................................................................................................
   2. ......................................................................................................................................................................
7. Why must jewelry/watches/bracelets, loose fitting clothing, non-secured long hair and gloves NEVER be worn when operating powered machinery?

___________________________________________________________________________
___________________________________________________________________________

8. YES / NO: Do you understand safety glasses must ALWAYS be worn OVER YOUR EYES (not on your head) any time you are in the lab, regardless of what you are doing?

9. YES / NO: Do you understand you should debur EVERY metal workpiece cut in lab since each cut edge can be RAZOR sharp and cause serious injury?

10. YES / NO: Do you understand you should NEVER touch metal chips / shavings with your bare hands since each cut edge can be RAZOR sharp and cause serious injury?

11. YES / NO: Do you understand you should NEVER rush for any reason when working in the lab (or when cleaning up)?

12. YES / NO: Do you understand SAFETY IS OUR NUMBER ONE PRIORITY, the TAs are here to help you with ANY questions you have regarding proper use of the machines and the only questions we can’t help you with are the ones you don’t ask?

13. YES / NO: Do you understand you will NEVER be allowed to participate in lab without your equipment safety sheets, long pants and proper footwear (INCLUDING TA HOURS)?

Thank you for helping keep the lab a safe and enjoyable work environment.