## EML2322L Quiz 9 (10/22/19)

Answer the following questions based on the information presented in class. You can use **your** notes but do not speak with others.

List 4 features CNC machines possess that allourceased productivity:
1.
2.
3. high pressure coolant
4. stiffer structures and more powerful motors
on bottler strategies with more possession motors
List 4 drawbacks of CNC machining centers:
1
2
3. require more frequent & more costly maintenan
4. often slower for making one simple part / featur
-
List and define the two common methods of
programming CNC machines:
1. conversational programming
2.
better suited for over manual machines.  1. complex parts requiring multiple axes of simultaneous motion
2
List two part features CNC machines can make but manual machines cannot (at least not easily
2
For what type of parts are manual machines better choice than CNC machines?
CNC machines always require less time to ma

CNC machines always require less time to	) make
a part than manual machines?	
EDITE / EAT OF	

TRUE / FALSE

Which of the following machines in the lab *could* be automated via CNC technology:

4	• •	1.			- 1		
	mil	lin	$\alpha$	ma	$\sim$	11	nc
Ι.			9	1116	ILЛ		нс

4. sheetmetal shear

2. lathe

5. sheetmetal brake

3. welder

6. sheetmetal punch

<b>Roster Number:</b>	

Name:

Lab Period: T5-6 / T7-8 / T9-10

(circle one) W2-3 / W4-5 / W7-8 / W9-10

R2-3 / R4-5 / R7-8 / R9-10

List the easiest mistake to make when changing tools on milling machines:

List 3 things you should check before / when turning on milling machines:

1.			
2.			

J. \_\_\_\_\_

List the most important rule when using manual lathes (in the laboratory or elsewhere):

All sheetmetal parts are razor sharp after shearing and should therefore be deburred immediately after cutting:

TRUE / FALSE

This is the point in the semester when a serious accident is most likely to occur because of how easy it is to drop our guard and forget how dangerous the equipment can be if not used properly:

TRUE / FALSE

## What are the principal benefits of allocating individual member tasks via a work schedule?

- A. It allows the team to honestly decide if it possesses adequate resources to complete the project within the allotted timeframe
- B. It allows the team to prepare for each lab session and work more efficiently
- C. It facilitates individual accountability
- D. All of the above

OPTIONAL FREE RESPONSE QUESTION ON THE BACK SIDE OF THE PAGE >>>

As a break from all the technical information presented in this class, what is the purpose of your life and how did you arrive at your conclusion? (I am the only one who will read this and your response will have no effect on your grade. If you don't want to answer, you don't have to.)					