

Members: \_\_\_\_\_  
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Group #: \_\_\_\_\_

Please answer all of the following questions before coming into the lab. You will lose marks if your pre-lab is incomplete.

In the MUN-88 manual, read the description of the Monitor command **DLoad** and the section on the **Download Protocol**. Note that the actual download procedure has changed since the manual was written. Due to the security features of Windows NT, you will be using a new program to communicate with the MUN-88 board (the full procedure is documented in the lab).

### Downloading a Program

1. What Monitor command must be used to tell the MUN-88 board to receive a machine code program into the first free memory location? Include all parameters in your answer.

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2. What Monitor command can you use after downloading to ensure that the destination memory locations contain machine code?

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### Debugging

The MUN-88 Monitor permits a number of breakpoints to be set in your code.

1. What is a breakpoint?

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2. What command would you use to set a breakpoint at 0032H:0010H?

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3. What is the maximum number of breakpoints that can be active at one time?

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4. Is the instruction at the breakpoint executed when the breakpoint activates?

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5. What Monitor command clears a breakpoint?

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6. How do you check the status of all available breakpoints?

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7. What does the Monitor command **single** do?

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8. If you type **go** without including a segment and offset, what memory location is used?

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