

MATLAB proficiency survey

Name: _____

Please answer all questions as honestly and accurately as you can. The purpose of this survey is simply to calibrate the course to optimally match student expertise.

Thus far, I spent about the following number of hours with MATLAB (check highest)

☐ 0 ☐ 10 ☐ 100 ☐ 1000

Question	Yes	No
I used figure handles		
I used the editor		
I used cells		
I used structures		
I made a surface plot (3D graph)		
I made a GUI		
I wrote my own function		
I used loops		
I loaded data into MATLAB		
I saved a workspace		
I have been in debug mode		
I have used a function from a toolbox		
I used the profiler		
I compiled a script		
I created a <i>meshgrid</i>		
I used the <i>find</i> function		
I used the <i>reshape</i> function		
I have changed the colormap of a figure		
I have changed an axis property such as tick marks or y limits or the like		
I can explain the difference between <i>pcolor</i> and <i>imagesc</i> without looking it up		

For the questions below, assume that you have two matrices **A** and **B**. Draw the right symbol(s) to execute the respective command in the appropriate space. If you don't know, just leave it blank.

- Transposing matrix **A**: **A**
- Vertical concatenation of matrices **A** and **B**: **[A B]**
- Horizontal concatenation of matrices **A** and **B**: **[A B]**
- Access the 7th element of matrix **A**: **A()**
- Output all elements in the 1st row of matrix **A**: **A()**
- "Comment out" matrix **A**: **A**
- Assign contents of matrix **A** to matrix **B**, and display **A**: **B A**
- Assign contents of matrix **A** to matrix **B**, but don't show the output: **B A**
- Compare matrix **A** and matrix **B** (assume same size/dimensionality): **A B**
- Multiply matrix **A** by matrix **B** (element-wise) **A B**