

## Reading From Text Book

Read Chapters 1 and 2

## Problem #1: Course Syllabus

I confirm that I have fully read and understand the course syllabus and all that it contains.

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Signature

## Problem #2: MATLAB Tutorial

Please watch the following tutorial video on using MATLAB. Sign the statement confirming you have watched the entire length of the video.

<http://www.mathworks.com/support/2014b/matlab/8.4/demos/GettingStartedwithMATLAB.html>

### Statement

I confirm that I have watched the entire video identified above. Further, I confirm that I understand the information and am ready to apply the concepts that it taught.

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Signature

## Problem #3: Download and Read MATLAB Primer

Download the Mathworks “Getting Started with MATLAB” guide using the following link.

[http://www.mathworks.com/help/pdf\\_doc/matlab/getstart.pdf](http://www.mathworks.com/help/pdf_doc/matlab/getstart.pdf)

Please read and understand this entire document and sign the statement confirming you have done so.

### Statement

I confirm that I have read all of the document identified above. Further, I confirm that I understand the information and am ready to apply the concepts that it taught.

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Signature

## Problem #4: Arrays and Matrices

Enter the following matrices into MATLAB.

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 0 & 1 \\ 1 & 3 & 2 \end{bmatrix} \quad B = \begin{bmatrix} 4 & 1 & 2 \\ 8 & 3 & 8 \\ 4 & 2 & 7 \end{bmatrix}$$

### Part (a)

At the command prompt, calculate “>> A\*B” and report the answer.

### Part (b)

At the command prompt, calculate “>> A.\*B” and report the answer.

### Part (c)

At the command prompt, calculate “>> A^2” and report the answer.

### Part (d)

At the command prompt, calculate “>> A.^2” and report the answer.

### Part (e)

Is the answer to Part (a) the same as the answer to Part (b)? Why?  
Is the answer to Part (c) the same as the answer to Part (d)? Why?