# *Matlab Exercises And Solutions*

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### MATLAB Exercises | Numerical Computation for Mechanical ...
Exercise 6: Use MATLAB to write an audio waveform (8 kHz sampling frequency) that contains a sequence of nine tones with frequencies 659, 622, 659, 622, 659, 494, 587, 523, and 440 Hz. Then add to this waveform a copy of itself in which every other sample has been multiplied by 1. Play the waveform, write it to a WAV le, and use the specgram

### Introduction to MATLAB { exercises and solution notes
Solutions to Matlab exercises 1, 2, 3. Last update: October 14, 2008. Exercise 1 In this exercise, we define C to be the plane curve $y 2 = x 2 - x 4$, . Is the origin a point of C?Ans: Yes. To check this, substitute $(x,y) = (0,0)$ into the equation of C.Use the Matlab script aPlot to plot C in the region $-1.2 < x < 1.2$, $-1 < y < 1$, in each of the following ways:

### Solutions to Matlab exercises 1, 2, 3 - Math User Home Pages
MATLAB Exercise # 5 Solutions. Assignment: A car rental agency has 6 locations and a rental car inventory of 12000 cars. A customer can rent a car from any one of those 6 locations and return the car to any other, including the one she rented it

### MATLAB Exercise # 5 Solutions. - Drexel University
CHAPTER 1 MATLAB EXERCISES 1–1 CHAPTER 1 MATLAB EXERCISES 1. Consider the linear system of Example 7 in Section 1.2. (a) Use the MATLAB command rref to solve the system. (b) Let A be the coefficient matrix, and B be the right-hand side of the system. Use the MATLAB command A\B to solve the system. 2.

### MATLAB EXERCISES - Cengage
Exercises for MATLAB Course 1. Run the MATLAB code: a = 1:5; ... Find the solution of the equation $sinx = 2x - 2$. We de ne the function sinm(x) and store it in the M- le sinm.m: ... The following MATLAB code plots polynomials of third, fourth, and fth degree approximating data given by the vectors x and y: 3

### Exercises for MATLAB Course - Aalborg Universitet
2. Now check your result using Matlab. (Simply copy the code, paste in Matlab and run it) Exercise 3. Let's consider a cone. Write a Matlab program that computes the volume of a cone. Here is the formula you should be using. Where r is the radius of the base and h is the height. Write a Matlab program that finds the radius of a cone.

### Matlab Exercises - Tutorial45
Beginning Matlab Exercises R. J. Braun Department of Mathematical Sciences University of Delaware 1 Introduction This collection of exercises is intended to help you start learning Matlab. Matlab is a huge package with many capabilities, but it is easy to use on many levels.

### Beginning Matlab Exercises - University of Delaware
MATLAB Exercises: Contents, Preface, and List of Exercises iii Preface to MATLAB R Exercises MATLABR Exercises in Electromagnetics, an e-supplement to Electromagnetics by Branislav M. Notaroˇs (from now on, referred to as "the book"), provides an extremely large and comprehensive collection of

### MATLAB R Exercises (for Chapters 1-14)
CME 102 Matlab Workbook 2008-2009 3/55 1 Matlab Basics 1.1 Matrix and Vector Creation Commands:; Placed after a command line to suppress the output. eye(m,n) Creates an m n matrix

with ones on the main diagonal and ze-ros elsewhere (the main diagonal consists of the elements with equal row and column numbers). If m = n, eye(n) can be used ...

### Matlab Workbook - Stanford University
Introduction to MATLAB – exercises with some example solutions for supervisors Markus Kuhn Michaelmas 2006 Exercise 1 Find a short MATLAB expression to build the matrix

### Introduction to MATLAB
Matlab Exercises Part 1 version 5, EJP, 2013 1. Start matlab. 2. Enter the following 1 + 2 x = 1 + 2 x = 1 + 2; y = x^2 + 2*x + 8 3. Enter the following format long e pi You can use the arrow keys and the delete key to recall and edit previous ... Check that the solution is correct. A1 * x 2.

### >> A = [ 1 2 ; 3 4];
Use MATLAB® to analyze data, develop algorithms, and create applications. Solve problems for a range of applications, including signal processing and communications, image and video processing, control systems, and test and measurement.

### MathWorks - Solutions - MATLAB & Simulink
(since we only have two unknowns I have switched from using the unknowns x 1 and x 2 to x and y). The first equation, 2x+3y = 1 is the equation of a straight line. To see this, note that we can solve for y to get

### MATLAB Exercises for Linear Algebra - M349
Start at the beginning to introduce your students to MATLAB. MATLAB® For Engineers introduces students the MATLAB coding language. Developed out of Moore's experience teaching MATLAB and other languages, the text meets students at their level of mathematical and computer sophistication. ... Appendix E Solutions to Practice Exercises can be ...

### Moore, MATLAB for Engineers, 5th Edition | Pearson
exercise problems at the end, and also have the solutions to them. So please try them! Some of you may be entirely familiar with all that I talk about in the following pages and may even prefer to skip entirely what is pretty much a rudimentary instruction manual. All I wish to convey is that Matlab is not an intimidating computer

### Matlab for the Absolute Beginner - graylab.jhu.edu
How is Chegg Study better than a printed MATLAB 5th Edition student solution manual from the bookstore? Our interactive player makes it easy to find solutions to MATLAB 5th Edition problems you're working on - just go to the chapter for your book.

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V. Exercise 3: Orbital Velocity – An Interactive Program Purpose To practice the following in MATLAB: • Creating new functions in function M-Files. • Writing an interactive MATLAB program using script and function M-Files. • Using functions such as input for program input from the Command Window.

### EXERCISES Introduction to MATLAB: Programming I. Class ...
With a hands-on approach and focus on problem solving, this introduction to the powerful MATLAB computing language is designed for students with only a basic college algebra background. Numerous examples are drawn from a range of engineering disciplines, demonstrating MATLAB's applications to a ...

### Moore, MATLAB for Engineers, 4th Edition | Pearson
end disp(x) T4.5-1 The script le is angle = input(0Enter an angle in degrees.0)switch angle case 45 disp(0Angle is in first quadrant0)case -45 disp(0Angle is in second quadrant0)case 135 disp(0Angle is in third quadrant0)case -135 disp(0Angle is in fourth quadrant0)otherwise disp(0Quadrant is

unknown.0)end T4.7-1 The 0.75 in the matrix should be replaced with 0.70.

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