

COEN 45
Winter Quarter, 2011
Homework #1
Due Tues Jan 11

First, use the “doc” facility in MATLAB to find out the difference between functions `atan` and `atan2`. The output of these two functions is in what units?

Then do problems 2, 6, 10, 15, 16, 26 in Chapter 1. Please write a script that solves all the problems. Your script should start like this:

```
%  
% COEN 45 HW #1, Joe Student  
%  
clc  
echo on %% important !  
format compact  
disp('Problem 2a')  
16.5^2 * (etc)  
disp('Problem 2b')  
5.2^3 - (etc)  
...  
(etc.)  
...
```

The results will appear in your command window. When you are satisfied with your answers, print a copy of your command window. Submit this plus a printed copy of your script. You can hand write the answer to the first question on your paper.