

# SGN-84007 Introduction to Matlab

*Exercise Set 2: September 6–9, 2016*

Exercises/pages refer to Hahn&Valentine: Essential Matlab for Engineers and Scientists (5th Edition)

1. Exercise 2.26 on page 81. Use the function `disp` to print the values to console; e.g.,

```
x = 10;  
disp(['The value of x is ', num2str(x)])
```

2. Write a function `fahrenheit_to_celcius(x)` to convert a Fahrenheit temperature to Celsius. Study the MathWorks website on how to define functions: <http://se.mathworks.com/help/matlab/ref/function.html> Also find the conversion formula on your own.
3. Plot the cosine function in the interval  $[0, 2\pi]$ .
4. Exercise 9.1 on page 232.
5. Exercise 9.3 on page 234. Hint:  
<http://se.mathworks.com/help/matlab/ref/polarplot.html>.