

## ***ASSIGNMENT 5***

08-October-2008

Due 15-October-2008

1. Exercise Set 5.1, Problem 4, Page 57.
2. Exercise Set 5.1, Problem 11, Page 58.[Hint: use the fact that  $\frac{\pi}{4} = 1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \dots$  from the series for the arctangent.]
3. Exercise Set 5.1, Problem 12, Page 58.
4. Exercise Set 5.1, Problem 14, Page 58.
5. Exercise Set 5.1, Problem 16, Page 58.