**EXPERIMENT 1 Basic Mathematics using SCILAB/ MATLAB**

**DATE:**

Compute the following quantities at command prompt:

1. 25/(25-1) and compare with (1-1/25)-1
2. (3(5-1)/(5+1)2)-1
3. Area = πr2 with r=π1/3-1
4. *e***3**, *ln*(*e***3**),*log*10(*e***3**),*log*10(10**5**)
5. *e*π√163, sin2π/6+cos2π/6
6. *y=* cosh2*x*-sinh2*x;* where *x*=32π
7. Solve 3*x*=17 for *x*
8. (1+3*i)*/(1-3*i), ei*π/4
9. Execute the commands exp(pi/2\*i) and exp(pi/2i). Explain difference between the two results.
10. cot (0), tan-1(∞)

Note down the commands used and result obtained in following format:

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| Sr. No. | Commands | Results |
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