**ASSIGNMENT NO.-5(COMPLEX NUMBERS)**

**(MATHEMATICS)**

1. Evaluate :

2. Express in form:

3. If ,where is real,prove that and

4. Express in standard form and write conjugates also for the following:

5. Find real values of and for which the complex numbers and are

 conjugate of each other.

6. If show that .

7. If find and

8. If find and

9. Write the following complex numbers in polar form:

10. Solve the following quadratic equations:

 .