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**Analytic Geometry for College Graduates Day 36 HW**

**Unit 4: Extending the Number System | Topic:** Complex Numbers

**Complex Numbers – Practice**

Write each expression in standard form.

1.  **= -1**
2.  **= -1**
3.  **= -i**
4.  **= -i**
5.  **= -i**
6.  **= 1**
7.  **= -i**
8. **= 1**
9.  **= 3**
10. **= 3**
11. 
12. **= 108i**
13. 
14. 
15. 
16. 
17. 
18. Which has the same value as ?
19. -2i b. -2 c. 2 d. 2i
20. Let r = (4 + i) and s = (1 – i). What is the value of r2 – s?
21. 14 + i b. 15 + I c. 15 + 7i d.14 + 9i
22. Which of the following is not a real number?
23. 6 b.  c.  d. 6i2