Algebra 2 TEST 3.2 Review **DO ON OWN PAPER!**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

I. Estimate to the nearest hundredth with your calculator

|  |
| --- |
| 1. |

IV. Simplify. Leave answers exact. NO DECIMALS.

|  |  |  |
| --- | --- | --- |
| 2. | 3. | 4.. |
| 5. | 6. | 7. |
| 8. | 9. | 10. |

Complex Number Operations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 11. | 12. | 13. | 14. | 15. | 16. |
| 17. | 18. | 19. | 20. | 21. | 22. |
| 23. | 24. | 25. (3-2i)-(5+9i) | 26. | 27. | 28. |

Solve by taking the square root of both sides. SHOW ALL WORK.

|  |  |  |  |
| --- | --- | --- | --- |
| 29. | 30. - | 31. + 16 = -9 | 32. |

1. 14.32 2. 6 3. 4. 5. 6. 7. 8. 9. 10.

11. 12. 13. 1 14. 15. 10i 16. 17.

18. -12+15i 19. 7 + 1i 20. 5 – 37i 21. 52 22. -5i

23. 24. 20 + 48i 25. -2 – 11i 26. 27. 28. 29. 30. 31. 32.