Honors Algebra 2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_

**Radicals & Rational Exponents**

**Rewrite each expression by using rational exponents.**

1.  2.  3. 

4.  5.  6. 

**Write each expression in radical form.**

7.  8.  9. 

10.  11.  12. 

**Write each expression in radical form and simplify completely.**

13.  14.  15. 

**Simplify each expression by apply the properties of exponents. Write your answer in simplest radical form when possible.**

|  |  |  |
| --- | --- | --- |
| 16. | 17. | 18. |
| 19. | 20. | 21. |
| 22. | 23. | 24. |
| 25. | 26. | 27. |
| 28. | 29. | 30. |