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.  |