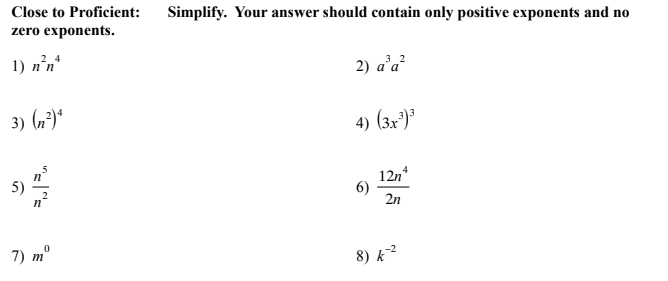
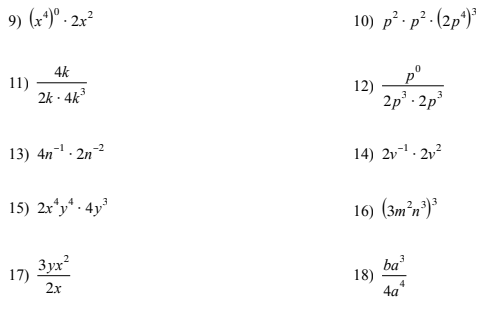
**Algebra 2**, Unit 8 **#22**

**Day 22: Review**



**Proficient and Highly Proficient: Simplify. Your answer should contain only positive whole number exponents, and no zero exponents.**



19) 20) 21)



**Exponential Functions**

**Close to Proficient:** Make a table and graph the exponential equation

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Table  |  |  | | --- | --- | | **x** |  | | 0 |  | | 1 |  | | 2 |  | | 3 |  |   b. Is this exponential growth or decay? Explain | c. Graph . Label your axes. |

**Proficient/ Highly Proficient:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Write an equation of this graph.**    y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Write an equation for this table.**   |  |  | | --- | --- | | **x** | **y** | | 0 | 64 | | 1 | 48 | | 2 | 36 | | 3 | 27 |   y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Check that your equation works: |