|  |  |
| --- | --- |
| **MULTIPLICATION** | **DIVISION** |

|  |  |
| --- | --- |
| **POWER OF A POWER** | **PRODUCT RULE** |

**Handling Coefficients:** *Simplify the following using exponent rules:*

|  |  |
| --- | --- |
| Example 1: | Example 2: |
| Example 3: | Example 4: |
| Example 5: | Example 6: |

**Exponent Rules Practice**

Simplify each using the exponent rules. Leave your answers in exponential form.

|  |  |  |
| --- | --- | --- |
| a. | b. | c. |
| d. | e. | f. |
| g. | h. | i. |
| j. | k. | l. |
| m. | n. | o. |
| p. | q. | r. |
| ANSWERS: a. 610, b. 92, c. 512, d. 313, e. 43, f. 1015, g. (-5)4, h. (-11)3, i. p66, j. (-2)11, k. (-1)4, l. 73, m. 220, n. 84, o. 52, p. -6a3b4, q. 5x3, r. -1a2b2 | | |