Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table# \_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_

**10.4C NOTES – Review Exponents**

*Objective: Evaluate and simplify expressions with zero and negative exponents. (CCSS: 8.EE.1)*

*HW: 10.4C pg 432\_#13-17, 20-26*

**WARM-UP**

|  |
| --- |
| #31 on pg 421 of textbook**MAIL.** The United States Postal Service delivers about $2^{8}∙5^{2}$ pieces of mail each second. There are $2^{8}∙3^{4}∙5^{2}$ seconds in 6 days. How many pieces of mail does the United States Postal Service deliver in 6 days? Write your answer as an expression in exponent form. |

**Review 10.1-10.4**

|  |  |
| --- | --- |
| **Simplify.**1. 15a-3
 | **Simplify**1. $ \frac{m^{-5}k^{-3}}{k^{-2}m}$
 |
| **Evaluate** 1. $\left(-\frac{1}{2}\right)^{5}$
 | **Simplify**1. 9n-4 · -5n2
 |
| **Evaluate**1. 2 · 3-2 + 10
 | **Simplify** 1. (-5m)4
 |

**BACK 🡪**

***EXAMPLES***

|  |  |
| --- | --- |
| 1. (10x6)2
 | 1. (6m5)-3
 |

***Simplify. Write the expression using only positive exponents.***

|  |  |  |
| --- | --- | --- |
| 3. -3b5 · 6b-8 | 4. (7x2)3 | 5. (8k7)-2 |