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

**10.3B Quotient of Powers Property\_Classwork**

*Objective: divide powers with the same base; simiplify expressions involving the quotient of powers. CC.SS.EE.1*

*HW: (10.3B) p. 426 #16 – 20, 23 – 26. Check your odd answers on p. A39 and even answers below*

*\*\* EVEN SOLUTIONS: 16) 76 18) (-8.3)2 20) c5 24) 64x 26) 125cd2*

EXAMPLE 2 (P. 424) AND ONE ADDITIONAL EXAMPLE.

SIMPLIFY THE EXPRESSION. WRITE YOUR ANSWER AS A POWER

|  |
| --- |
| 1) |
| 2) |

SIMPLIFY THE EXPRESSION. WRITE YOUR ANSWER AS A POWER

|  |  |
| --- | --- |
| 5a. | 5b. |
| 5c. | 5d. |

**Warm Up.** SIMPLIFY EACH EXPRESSION. WRITE YOUR ANSWER AS A POWER.

|  |  |  |
| --- | --- | --- |
|  | 2. | 3. |