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

**10.2B NOTES – Product of Powers Property**

Objective: CCSS: 8.EE.1 (Apply the properties of integer exponents to generate equivalent numerical expressions)

HW: (10.2B) P. 420 #3 – 13 odd, 17 – 22 all. Solutions on p. A39. Copy down the problem, show work, check odd answers

**Fill in the blank for the “Study Tip” on p. 418.**

**Then do On Your Own #1 – 9. Remember to show your work.**

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| STUDY TIP: When a number is written without an exponent, its exponent is \_\_\_\_\_\_ |

READ EXAMPLE 1 (p. 418) – For OYO #1 – 3: Simplify the expression.

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READ EXAMPLE 2 (p. 418) – For OYO #4 – 6: Simplify the expression.

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READ EXAMPLE 3 (p. 419) – For OYO #7 – 9: Simplify the expression.

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**EXTENDED LEARNING**

Simplify the expression

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| --- | --- | --- |
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**BACK 🡪**

**REVIEW**

Determine if the two expressions are equivalent. Show your work AND explain how you know.

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| 1. Is (-8)3 equivalent to -83? |
| 1. Is (-8)2 equivalent to -82? |