Name _____ Date _____ Period _____

LESSON 6-4 · WARM-UP

Warm-Up Practice

Write and Evaluate Numerical Expressions with Exponents

THE MOVE

what this page practices

Evaluate with the order of operations, powers included

Grouping symbols first: parentheses and a fraction bar. Then powers. Then × and ÷ left to right. Then + and − left to right.

WORKED MODEL

we do this one together

Step 1	$3 + 2^2 \times 5$
Step 2	$= 3 +$ _____ $\times 5$
Step 3	$= 3 +$ _____
Step 4	$=$ _____

YOUR TURN

8 items · about 10 minutes

1. $2 + 3^2 \times 2 =$ _____

ANSWER _____

2. $5 + 4^2 \div 8 =$ _____

ANSWER _____

3. $(2 + 3)^2 =$ _____

ANSWER _____

4. $20 - 2 \times 3^2 =$ _____

ANSWER _____

5. $24/(4 + 2) =$ _____

ANSWER _____

6. $4 \times 3^2 - 6 =$ _____

ANSWER _____

7. Fill in the missing number: $5 +$ _____$^2 = 30$

ANSWER _____

8. Write an expression for "the product of 3 and 5, plus 4." Then find its value. _____

ANSWER _____