

## Lesson 1.4T ~ Order of Operations with Grouping Symbols

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Number the operations in the order they should be performed (#1 – #4)

\_\_\_\_\_ Grouping Symbols  
\_\_\_\_\_ Addition & Subtraction  
\_\_\_\_\_ Multiplication & Division  
\_\_\_\_\_ Powers

2. Rewrite the operations listed in Exercise 1 in order from the first to the last.

#1 \_\_\_\_\_

#2 \_\_\_\_\_

#3 \_\_\_\_\_

#4 \_\_\_\_\_

3. Use the expression:  $5 \times (2 + 1) - 3^2$

a. Add the numbers in the parentheses. Rewrite the new expression: \_\_\_\_\_

b. Find the value of the power. Rewrite the new expression: \_\_\_\_\_

c. Do the multiplication. Rewrite the new expression: \_\_\_\_\_

d. Subtract the final two numbers. What is the value of the expression? \_\_\_\_\_

**Find the value of each expression. Show all work. Circle your answer.**

4.  $\frac{10 + 2}{3 - 1}$

5.  $(2 + 3)^2 - 14$

**Find the value of each expression. Show all work. Circle your answer.**

**6.**  $6^2 + 2 \times (3 - 1)$

**7.**  $\frac{5+1}{3} - 2$

**8.**  $2 \times (3+1)^2 - 5$

**9.**  $\frac{5 \times 3 + 1}{6 - 2^2}$

- 10.** Two friends go to the movies. Each ticket costs \$7. They buy a tub of popcorn for \$6. They also buy a box of candy to share for \$4. The friends want to split the total cost evenly. How much does each friend owe?