

Name: \_\_\_\_\_

Ms. Napolitano

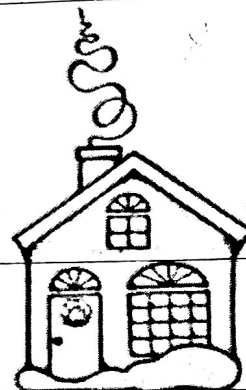
Date: \_\_\_\_\_

CCSS: \_\_\_\_\_

## Homework Day 4

1. Evaluate.

$$2^8 = \underline{\hspace{2cm}}$$



2. Write the expression as an exponent.

$$7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$$

3. Evaluate.

$$6^6 - 3^3 = \underline{\hspace{2cm}}$$

4. Evaluate.

$$4^5 + 5^6 = \underline{\hspace{2cm}}$$

5. Write the expression as an exponent.

$$5 \times 5 \times 5 \times 5$$

6.

Given a temperature  $C$  in degrees Celsius, the expression  $\frac{9}{5}C + 32$  gives the temperature in degrees Fahrenheit.

Work together to evaluate the expression  $\frac{9}{5}C + 32$  for the following values of  $C$ .

1.  $C = 10$  \_\_\_\_\_

2.  $C = 25$  \_\_\_\_\_

3.  $C = 100$  \_\_\_\_\_

4.  $C = -5$  \_\_\_\_\_

5.  $C = -20$  \_\_\_\_\_

7. Explain the steps you used to evaluate these expressions. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. **ERROR ANALYSIS** Describe and correct the error in evaluating the expression when  $m = 8$ .



$$\begin{aligned}5m + 3 &= 5 \cdot 8 + 3 \\ &= 5 \cdot 11 \\ &= 55\end{aligned}$$

**ALGEBRA** Evaluate the expression when  $a = 3$ ,  $b = 2$ , and  $c = 12$ .

- ① ② 8.  $6 + a$       9.  $b \cdot 5$       10.  $c - 1$       11.  $27 \div a$
12.  $12 - b$       13.  $c + 5$       14.  $2a$       15.  $c \div 6$
16.  $a + b$       17.  $c - a$       18.  $\frac{c}{a}$       19.  $b \cdot c$

**LAWNS** You earn  $15n$  dollars for mowing  $n$  lawns.  
How much do you earn for mowing one lawn? seven lawns?

20.