Name_____ Date_____ Period_____

LESSON 6-6 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Identify Terms and Coefficients

Builds on Lesson 6-5 Session 1 · 6.EE.A.2b

TODAY'S LESSON	In $6 + 2k + k$ you must see the terms 6, $2k$ and k. The k has a hidden 1.
YOU NEED TO	Name the terms and coefficients in an expression like $5x + 8 + 3x$. **You will use it in Practice Form A, problems 1 and 2.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Split** the expression at each + or − sign.
2. Each piece is a **term**. Count them.
3. The number before a letter is its **coefficient**. No number means 1.

WATCH ME

the steps in action

Name the terms and coefficients in $5x + 8 + 3x$.

Step 1 Split at the + signs: $5x$, 8, $3x$.

Step 2 There are 3 terms.

Step 3 The coefficients are 5 and 3.

Answer **Terms $5x$, 8, $3x$. Coefficients 5 and 3.**

TRY IT WITH HELP

fill in each step

1. Name the terms and coefficients in $9m + 4 + m$.

Step 1 Split: _____, _____, _____

Step 2 There are _____ terms.

Step 3 The coefficients are 9 and _____.

2. Name the terms and coefficients in $2p + 7 + 6p$.

Step 1 Split: _____, _____, _____

Step 2 There are _____ terms.

Step 3 The coefficients are _____ and _____.

YOUR TURN

use the steps on your own

3. List the terms. Then name each coefficient.

a. $4a + 1$ _____

b. $b + 6$ _____

c. $7c + 2c$ _____

d. $3 + d + 5$ _____

Evaluate Algebraic Expressions

Builds on Lesson 6-5 Session 2 · 6.EE.A.2c

TODAY'S LESSON	Problem 7 asks you to evaluate $5p + 3 + 2p$ and $7p + 3$ when $p = 4$.
YOU NEED TO	Put a number in for the letter, then evaluate, like $7p + 3$ when $p = 2$. **You will use it in Practice Form A, problem 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Replace** the letter with the number. Use ×.
2. **Multiply** first.
3. **Add** or subtract last.

WATCH ME

the steps in action

Evaluate $7p + 3$ when $p = 2$.

Step 1 $7 \times 2 + 3$.

Step 2 $14 + 3$.

Step 3 17.

Answer 17

TRY IT WITH HELP

fill in each step

4. Evaluate $5p + 3 + 2p$ when $p = 2$.

Step 1 $5 \times 2 + 3 + 2 \times$ _____

Step 2 $10 + 3 +$ _____

Step 3 = _____

5. Evaluate $4y + 5$ when $y = 3$.

Step 1 $4 \times$ _____ $+ 5$

Step 2 _____ $+ 5$

Step 3 = _____

YOUR TURN

use the steps on your own

6. Evaluate each expression when $x = 4$.

a. $3x + 1 =$ _____ **b.** $2x - 5 =$ _____ **c.** $x + 9 =$ _____

d. $5x =$ _____ **e.** $10 - 2x =$ _____ **f.** $6x + 4 =$ _____

READY CHECK

a problem like the one in today's lesson

7. Evaluate $5p + 3 + 2p$ when $p = 4$.

A 14 **B** 25 **C** 31 **D** 40

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____