Name_____ Date_____ Period_____

LESSON 9-1 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Evaluate Algebraic Expressions

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

TODAY'S LESSON	You will use rules like $y = 4x + 2$ to find y when $x = 3$.
YOU NEED TO	Find the value of an expression, like $3x + 5$ when $x = 4$. **You will use it in Practice Form A, problems 1 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Replace** the letter with its number.
2. **Multiply** first.
3. Then **add** or subtract.

WATCH ME

the steps in action

Find $3x + 5$ when $x = 4$.

Step 1 $3 \times 4 + 5$

Step 2 $3 \times 4 = 12$

Step 3 $12 + 5 = 17$

Answer 17

TRY IT WITH HELP

fill in each step

1. Find $2x + 1$ when $x = 5$.

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

Step 2 $2 \times 5 =$ _____

Step 3 $10 + 1 =$ _____

2. Find $6n - 4$ when $n = 3$.

Step 1 $6 \times$ _____ $- 4$

Step 2 $6 \times 3 =$ _____

Step 3 $18 - 4 =$ _____

YOUR TURN

use the steps on your own

3. Find each value when $x = 5$.

a. $7x =$ _____

b. $x + 9 =$ _____

c. $4x - 5 =$ _____

d. $10 + 3x =$ _____

e. $6x + 2 =$ _____

f. $9x - 9 =$ _____

Name Independent and Dependent Variables

Builds on Lesson 9-1 Session 1 · 6.EE.C.9

TODAY'S LESSON	You will put ferry crossings in column 1 and cars in column 2.
YOU NEED TO	Decide which quantity depends on the other, like cars depend on crossings. **You will use it in Practice Form A, problems 3 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Make a **depends on** sentence with the two quantities.
2. The quantity after "depends on" is **independent**.
3. The quantity before "depends on" is **dependent**.

WATCH ME

the steps in action

Hours worked and money earned.

Step 1 Money earned depends on hours worked.
Step 2 Hours worked is independent.
Step 3 Money earned is dependent.
Answer **I: hours worked. D: money earned.**

TRY IT WITH HELP

fill in each step

4. Guests at a party and pizzas needed.

Step 1 _____ depends on _____.
Step 2 Independent: _____
Step 3 Dependent: _____

5. Ferry crossings and cars carried.

Step 1 _____ depends on _____.
Step 2 Independent: _____
Step 3 Dependent: _____

YOUR TURN

use the steps on your own

6. Write I (independent) or D (dependent) for the quantity in bold.

a. **hours worked** and money earned: ____
b. gallons bought and **total cost**: ____
c. **total cost** and tickets bought: ____
d. **weeks saving** and money saved: ____

READY CHECK

a problem like the one in today's lesson

7. A bakery puts 12 muffins in each box. What goes in column 1, then column 2?

A muffins, then boxes
B boxes, then muffins
C bakery, then boxes
D 12, then muffins

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