Name _____

Same Answer Multistep

Find the value of *n* for each exercise. Then identify the exercises that have the same answer.

1. $6 \times 36 + 3 \times 37 + 57 = n$

_____ $= n$

2. $8 \times 47 + 2 \times 29 - 80 = n$

_____ $= n$

3. $7 \times 45 + 4 \times 19 - 17 = n$

_____ $= n$

4. $7 \times 56 + 2 \times 12 - 52 = n$

_____ $= n$

5. $5 \times 52 + 6 \times 12 + 42 = n$

_____ $= n$

6. $9 \times 32 + 4 \times 28 - 16 = n$

_____ $= n$

7. $4 \times 46 + 3 \times 61 + 17 = n$

_____ $= n$

8. $9 \times 39 + 2 \times 19 - 15 = n$

_____ $= n$

9. $2 \times 98 + 8 \times 16 + 30 = n$

_____ $= n$

10. $3 \times 75 + 4 \times 23 + 47 = n$

_____ $= n$

11. Which exercise(s) have the same answer as Exercise 1? _____

12. Which exercise(s) have the same answer as Exercise 2? _____

13. Which exercise(s) have the same answer as Exercise 3? _____

14. **Stretch Your Thinking** What statement can you make about the equations in Exercise 4 and Exercise 10? **Explain**.

_____

_____

Name _____

Algebra • Solve Multistep Problems Using Equations

The **Order of Operations** is a special set of rules which gives the order in which calculations are done in an expression. First, multiply and divide from left to right. Then, add and subtract from left to right.

Use the order of operations to find the value of *n*.

$6 \times 26 + 3 \times 45 - 11 = n$

Step 1 Circle the first multiplication expression in the equation.

$(6 \times 26) + 3 \times 45 - 11 = n$

Step 2 Multiply 6×26.

$156 + 3 \times 45 - 11 = n$

Step 3 Circle the next multiplication expression in the equation.

$156 + (3 \times 45) - 11 = n$

Step 4 Multiply 3×45.

$156 + 135 - 11 = n$

Step 5 There are no more multiplication or division expressions. Circle the first addition expression in the equation.

$(156 + 135) - 11 = n$

Step 6 Add $156 + 135$.

$291 - 11 = n$

Step 7 Subtract $291 - 11$.

$280 = n$

Find the value of *n*.

1. $5 \times 43 + 9 \times 24 + 25 = n$

_____ $= n$

2. $7 \times 29 + 4 \times 46 - 56 = n$

_____ $= n$