

**Unit 2 Pre Test Vocabulary**

1. Equation \_\_\_\_\_
2. Variable \_\_\_\_\_
3. Expression \_\_\_\_\_
4. Formula \_\_\_\_\_
5. Literal Equation \_\_\_\_\_
6. Inverse Operations \_\_\_\_\_
7. Solution \_\_\_\_\_
8. Addition property \_\_\_\_\_  
of equality
9. Subtraction property \_\_\_\_\_  
of equality
10. Multiplication property \_\_\_\_\_  
of equality
11. Division property \_\_\_\_\_  
of equality

- A. Value that makes an equation true.
- B. When you **add** the same number to each side of an equation the two sides remain equal.
- C. When you **divide** each side of an equation by the same nonzero number, the two sides remain equal.
- D. A statement that two expressions are equal. Contains an equal sign.
- E. A symbol for a number we don't know yet. It is usually represented by a letter, such as x or y.
- F. A mathematical phrase that can contain ordinary numbers, variables, and operators.
- G. When you **subtract** the same number from each side of an equation the two sides remain equal.
- H. Shows how one variable is related to one or more variables. A formula is a type of literal equation.
- I. An equation with two or more variables.
- J. Two operations that undo each. For example, addition and subtraction.
- K. When you **multiply** each side of an equation by the same nonzero number, the two sides remain equal.

## One-Step Equations

Solve each equation.

1)  $26 = 8 + v$

2)  $3 + p = 8$

3)  $15 + b = 23$

4)  $-15 + n = -9$

5)  $m + 4 = -12$

6)  $x - 7 = 13$

7)  $m - 9 = -13$

8)  $p - 6 = -5$

9)  $v - 15 = -27$

10)  $n + 16 = 9$

11)  $-104 = 8x$

12)  $14b = -56$

13)  $-6 = \frac{b}{18}$

14)  $10n = 40$

$$15) \frac{v}{8} = 2$$

$$16) 16 = \frac{k}{11}$$

$$17) -15x = 0$$

$$18) -17x = -204$$

$$19) 21 = -7n$$

$$20) \frac{m}{4} = -13$$

$$21) -126 = 14k$$

$$22) -143 = -11x$$

$$23) -16 + x = -15$$

$$24) -5 = \frac{a}{18}$$

$$25) -17 = x - 15$$

$$26) n - 8 = -10$$

$$27) \frac{v}{7} = 8$$

$$28) a + 11 = 20$$

$$29) -7 + m = 8$$

$$30) 18 + m = 8$$