Name _____

Inverse Property of Operations Equation Matcher

Instructions: Match each **sentence** to its **algebraic equation**. Write the **letter** of the correct equation on the blank line. Each sentence describes a relationship that can be written as an equation. Pay attention to words like *sum, difference, product, quotient, more than, less than,* and *times.*

Sentences

_____ 1. The difference between a number and 7 is 14.

_____ 2. A number increased by 12 equals 30.

_____ 3. A number divided by 10 decreased by 5 equals 1.

_____ 4. Half of a number plus 10 equals 25.

_____ 5. Four times a number equals 40.

_____ 6. One-fourth of a number plus 3 equals 7.

_____ 7. A number divided by 6 equals 9.

_____ 8. Triple a number increased by 4 equals 25.

_____ 9. Twice a number decreased by 8 equals 20.

_____ 10. A number minus 15 equals 9.

_____ 11. A number decreased by 2 equals 13.

_____ 12. The quotient of a number and 3 increased by 2 equals 10.

_____ 13. A number multiplied by -4 equals 16.

_____ 14. The sum of a number and 8 equals 50.

_____ 15. Three less than double a number equals 9.

_____ 16. Five more than a number equals 19.

Equations

A. $x + 12 = 30$

B. $4x = 40$

C. $x \div 6 = 9$

D. $2x - 8 = 20$

E. $x \div 2 + 10 = 25$

F. $x - 15 = 9$

G. $x + 5 = 19$

H. $x \div 3 + 2 = 10$

I. $2x - 3 = 9$

J. $-4x = 16$

K. $x - 7 = 14$

L. $x \div 10 - 5 = 1$

M. $3x + 4 = 25$

N. $x \div 4 + 3 = 7$

O. $x + 8 = 50$

P. $x - 2 = 13$