

Review Expressions/Translations

Score _____ Per _____

Translate the following into mathematical expressions.

1. 5 times the quantity X plus 6. _____
2. -8 times the quantity 4 decreased by W. _____
3. The product of M and -2 _____
4. Three times a number decreased by six. _____

Evaluate/Simplify each expression.

5. $(a + b)^2$ if $a = 6$ and $b = -8$
6. $xy + z$ if $x = -4$, $y = 3$ and $z = -3$
7. $-c + 2d$ if $c = -3$, $d = -4$
8. $(x + 4)^2$ if $x = -11$
9. $2(x + 6)$
10. $-5(8 - x)$
11. $-(3k - 12)$
12. $2(3h + 2) - 4h$
13. $-6 - 3(2k + 4)$
14. $-4x + 3(2x - 5) - 8$

Answer the following questions about the expression $4x + 8 - 7x - 3y + 5 + 11y$.

15. How many terms? _____
16. List the variables. _____
17. List the coefficients. _____
18. List the constants. _____
19. What is the expressions simplified form? _____

