

REVIEW

Name _____



Quiz

Expressions

- Evaluate
- Translate
- Combine
- Distribute
- Factor

Math 6
Period _____

Test Date: Thursday, January 16th

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You are responsible for the information taught in class and on homework. Remember that mathematics is a subject that spirals (it builds upon itself), so keeping up with concepts as we go is very important. Good Luck!

① Can you label the parts of an expression?
(Coefficient, constant, operation, variable, terms)

$$\begin{array}{c} \rightarrow 4m - 25 \leftarrow \\ \uparrow \quad \nwarrow \\ \text{_____} \quad \text{_____} \\ \text{_____} \quad \text{_____} \end{array}$$

How many terms are in the given expression? _____

② Substitute values and solve. Let $x = 4, 2.5, 10$

1. $7x + 10$

2. $4x - 3$

3. x^2

4. $10x - x^2$

③ Translate the verbal model into a math expression.

5. The sum of 12 and m .

6. 2 more than the product of 5 and x .

7. The quotient of r and 4.

8. The difference of 9 and c squared.

④ Combine like terms

9. $3x + y + 5x + 2$

10. $a + 7b + 4a - 5b - 10$

11. $8f + 3c - 2f + 2m + x + m$

12. $5m^2 + 20 + 3m^2 - 8$

⑤ Create an equivalent expression with the Distributive Property.

13. $7(10x + 3)$ _____

14. $2(3x + 4y + 2)$ _____

15. $12(2x + y) + 4x$ _____

⑥ Create an equal expression by factoring with a greatest common factor.

16. $4a + 6b - 10c$ _____

17. $24x - 16y$ _____

18. $49a + 56c$ _____

19. $5m + 30n$ _____

20 TOP 20: Finding 12.5% of a number is the same as finding ⁰⁰ WHAT FRACTION