

ALGEBRA 1

Name _____

1-7 PRACTICE: THE DISTRIBUTIVE PROPERTY**Use the Distributive Property to simplify each expression.**

1. $6(a + 10)$

2. $11(2t + 3)$

3. $10(9 - n)$

4. $6\left(\frac{1}{3}x + 1\right)$

5. $(2 - 8c)1.5$

6. $-4(m + 5)$

11. $-8(2b - 7)$

12. $-\frac{1}{2}(4x + 10)$

13. $(2c - 5)7$

14. $-(a - b + 3)$

Simplify each expression into two separate simplified fractions.

15. $\frac{2p + 7}{5}$

16. $\frac{8 - 9x}{3}$

17. $\frac{25 - 10m}{5}$

18. $\frac{42w - 8}{7}$

Simplify each expression by combining like terms.

19. $11x + 9x$

20. $5m - 7m$

21. $-4y^2 + 9y^2$

22. $6d - 4 + 2d - 7$

23. $8a - 7b + 5a - 3$

24. $-7x + 3x^2 - 4x - 1$

25. $6xy + 2xy - 8xy$

26. $2(-3z - 5) + 1$

Show how mental math would be used to find each product.

27. $(5.5)(6)$

28. $4(197)$

29. **Error Analysis.** A student uses the Distributive Property to simplify $4(2b - 5)$ and gets $8b - 5$ as the result. Describe and correct the error.