

Distributive Property

Directions: Distribute and simplify problems 1-22. Rewrite problems 23-26 using the distributive property in reverse. For problems 27-30, create an example that satisfies the condition.

1. $3(x+5)$

2. $4(2x-7)$

3. $-2(x+8)$

4. $5(3a-4)$

5. $-6(2m+1)$

6. $7(y-3)$

7. $-3(4p-5)$

8. $2(6n+9)$

9. $-5(2x-6)$

10. $8(3-r)$

11. $-4(5x+2y-1)$

12. $6(2a-3b+5)$

13. $3(x+4)+5x$

14. $2(4a-3)-7a$

15. $-5(y-2)+3y$

16. $6m-2(3m-7)$

17. $4(2p+1)-3(p-5)$

18. $-3(2x-7)+4(x+1)$

19. $5(3n-2)-2(4n+1)$

20. $9-2(5r-4)+3r$

21. $7(2a-1)-4(a+6)$

22. $-6(x-3)+2(5x-8)$

23. $6x+18$

24. $8a-12$

25. $15y+20$

26. $14m-21$

27. Create an expression that uses distribution and simplifies to $8x+12$.

28. Create an expression with a negative number outside parentheses that simplifies to $-6x+15$.

29. Create an expression with two sets of parentheses that simplifies to $5p-9$.

30. Create an expression that has three terms after distributing and then simplifies to two terms.