

Wisdom Lane Middle School
Name: _____
Teacher: Mr. Tomeo

Homework #6

Date: _____
Period: _____

The Distributive Property

$$a(b+c) = ab+bc$$

$$3(x+4) = 3 \cdot x + 3 \cdot 4 = 3x+12$$

Use the distributive property to **expand** each expression.

1. $3(x+4)$	10. $-4(-8x-8)$
2. $2(x-4)$	11. $-3(x-5)$
3. $4(2y+3)$	12. $5(1+2v)$
4. $-2(w+7)$	13. $-7(5k-4)$
5. $4(2x-2y)$	14. $5(n+6)$
6. $(x+2) \cdot 5$	15. $w(x+1)$
7. $-5(7a-6)$	16. $x(y-1)$
8. $5(3x-4)$	17. $a(x+y)$
9. $-8(1-5x)$	18. $w(x-y)$

$$19. -6(a+8)$$

$$30. 3(t-9)$$

$$20. 6(-5n+7)$$

$$31. 4(3r-8)$$

$$21. -8(-4-3n)$$

$$32. -5(7a-6)$$

$$22. 5(7n-1)$$

$$33. 5(5+5x)$$

$$23. 5(3m-6)$$

$$34. 10(3+7)$$

$$24. 5(b+1)$$

$$35. 5(9-6)$$

$$25. 4(1+9x)$$

$$36. 11(11-9)$$

$$26. (9m+10) \cdot 2$$

$$37. -2(x-4)$$

$$27. 8(-b-4)$$

$$38. 8(2-x)$$

$$28. -6(x+4)$$

$$39. -4(4-3x)$$

$$29. (x+9) \cdot 5$$

$$40. a(b+c)$$