The Distributive Property and Factoring

Factor each expression. Remember that factoring is the opposite of the distributive property.

1. $21y + 14$ 2. $32 + 4r$ 3. $16x + 72$

4. $24b + 12$ 5. $8 + 24a$ 6. $42 + 14v$

7. $30b + 25$ 8. $15 + 9v$ 9. $6x + 30$

Use the Distributive Property to rewrite each algebraic expression.

10. $4(10x + 3)$ **11.** $7(9x + 4)$ **12.** $2(3x + 8)$

13. $9(5x + 6)$ **14.** $3(x + 11)$ **15.** $5(5x + 7)$

16. $6(x + 4)$ **17.** $8(4x + 9)$ **18.** $4(4x + 5)$