

Lesson 1.3 ~ The Distributive Property

Name_____ Period_____ Date_____

Use the distributive property to simplify each expression.

1. $2(x + 7)$

2. $8(x - 3)$

3. $-4(y - 6)$

4. $-5(2x + 3)$

5. $\frac{2}{3}(3x - 6)$

6. $1.2(x + 4)$

Find the product by using the distributive property. Show your work.

7. $3(97)$

8. $2(3.5)$

9. $8 \cdot 104$

10. $4(312)$

11. $998 \cdot 5$

12. $1006 \cdot 4$

Simplify each expression.

13. $3x + 7 + 4x - 2$

14. $-2(x - 7) + 3$

15. $5(x - 1) - 5$

16. $5(2x + 3) + 10$

17. $4x + 3x - 5x + 2 - x$

18. $10x - 4 - 7x - 2$

19. $3(x - 4) + 2(x + 1)$

20. $5x + 2(x + 1) + 3$

21. $3(x - 4) + 6$

22. $4(2x - 1) + 6 - 7x$

23. $6x + 40 + 4x - 15$

24. $5x - 6 + 23 - 7x$

25. Each answer from #13 through #18 should match with one answer from #19 through #24.

Record which expression from #19 through #24 is equivalent to the simplified expressions for the exercises listed below.

#13 → _____

#14 → _____

#15 → _____

#16 → _____

#17 → _____

#18 → _____