

Section 2.7 (Guarantee 2.3) Worksheet

Simplify the expression. Use the Distributive Property if needed.

1. $x \cdot 3 + x \cdot 5$

2. $4x \cdot 6 - 6x \cdot 8$

3. $8x \cdot 8 - 7x \cdot 9$

4. $2x \cdot 5 + 9x \cdot 3$

5. $9x \cdot 9 - 3x \cdot 7$

6. $5x \cdot 7 + 5x \cdot 4$

7. $3x \cdot 2 + 2x \cdot 6$

8. $6x \cdot 4 - 8x \cdot 2$

9. $7x \cdot 3 + 4x \cdot 8$

10. $x \cdot 6 + 3x \cdot 2$

11. $\frac{27y - 21}{3}$

12. $\frac{48y - 24}{6}$

13. $\frac{24y + 36}{4}$

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Simplify the expression. Use the Distributive Property if needed.

14. $\frac{28y - 14}{7}$

15. $\frac{10y - 10}{2}$

16. $\frac{-18y - 27}{9}$

17. $\frac{56y + 64}{8}$

18. $\frac{-15y + 30}{5}$

19. $\frac{-24y - 15}{3}$

20. $\frac{12y + 48}{6}$

21. $\frac{5x^2 + 15x + 75}{5}$

22. $\frac{2x^2 - 12x - 24}{2}$

23. $\frac{3x^2 - 9x - 27}{3}$

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Simplify the expression. Use the Distributive Property if needed.

$$24. \frac{4x^2 + 8x + 32}{4}$$

$$25. \frac{5x^2 - 35x - 175}{5}$$

$$26. \frac{3x^2 + 12x + 36}{3}$$

$$27. \frac{5x^2 + 10x + 50}{5}$$

$$28. \frac{3x^2 + 9x + 27}{3}$$

$$29. \frac{4x^2 + 16x + 64}{4}$$

$$30. \frac{2x^2 + 4x + 8}{2}$$