

# WORKSHEET

Express the following expressions in an expanded form.

- |                    |                   |                    |                    |
|--------------------|-------------------|--------------------|--------------------|
| 1. $4(5x - 13)$    | 13. $3(11x + 8)$  | 25. $8(4x + 8)$    | 37. $2(10x - 2)$   |
| 2. $6(12x + 5)$    | 14. $4(5x - 7)$   | 26. $3(3x - 7)$    | 38. $11(11x - 12)$ |
| 3. $10(4x - 7)$    | 15. $4(4x - 12)$  | 27. $7(12x + 11)$  | 39. $7(12x + 5)$   |
| 4. $2(4x + 4)$     | 16. $9(3x - 9)$   | 28. $2(3x + 9)$    | 40. $13(2x + 12)$  |
| 5. $12(9x + 3)$    | 17. $6(13x + 13)$ | 29. $10(10x + 3)$  | 41. $13(5x - 6)$   |
| 6. $3(7x + 4)$     | 18. $9(7x - 5)$   | 30. $10(10x - 10)$ | 42. $2(5x - 9)$    |
| 7. $4(3x + 4)$     | 19. $10(9x + 7)$  | 31. $3(8x + 3)$    | 43. $9(6x + 6)$    |
| 8. $7(7x - 3)$     | 20. $3(3x - 11)$  | 32. $5(12x + 5)$   | 44. $5(3x + 3)$    |
| 9. $4(5x + 3)$     | 21. $2(11x + 3)$  | 33. $10(4x + 4)$   | 45. $9(10x + 2)$   |
| 10. $5(2x - 12)$   | 22. $3(4x + 13)$  | 34. $9(7x + 12)$   | 46. $2(5x + 2)$    |
| 11. $9(3x - 6)$    | 23. $2(4x - 2)$   | 35. $13(4x - 13)$  | 47. $12(11x + 12)$ |
| 12. $10(12x - 10)$ | 24. $5(13x - 13)$ | 36. $9(2x + 13)$   | 48. $3(13x - 13)$  |

— Answers —

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|------------------|----------------|------------------|------------------|
| 1. $20x - 52$    | 13. $33x + 24$ | 25. $32x + 64$   | 37. $20x - 4$    |
| 2. $72x + 30$    | 14. $20x - 28$ | 26. $9x - 21$    | 38. $121x - 132$ |
| 3. $40x - 70$    | 15. $16x - 48$ | 27. $84x + 77$   | 39. $84x + 35$   |
| 4. $8x + 8$      | 16. $27x - 81$ | 28. $6x + 18$    | 40. $26x + 156$  |
| 5. $108x + 36$   | 17. $78x + 78$ | 29. $100x + 30$  | 41. $65x - 78$   |
| 6. $21x + 12$    | 18. $63x - 45$ | 30. $100x - 100$ | 42. $10x - 18$   |
| 7. $12x + 16$    | 19. $90x + 70$ | 31. $24x + 9$    | 43. $54x + 54$   |
| 8. $49x - 21$    | 20. $9x - 33$  | 32. $60x + 25$   | 44. $15x + 15$   |
| 9. $20x + 12$    | 21. $22x + 6$  | 33. $40x + 40$   | 45. $90x + 18$   |
| 10. $10x - 60$   | 22. $12x + 39$ | 34. $63x + 108$  | 46. $10x + 4$    |
| 11. $27x - 54$   | 23. $8x - 4$   | 35. $52x - 169$  | 47. $132x + 144$ |
| 12. $120x - 100$ | 24. $65x - 65$ | 36. $18x + 117$  | 48. $39x - 39$   |

Made with SageMath ♥  $\text{\LaTeX}$  — by mholson.com

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