

Lesson
3.1**Enrichment and Extension****Matching**

Simplify the expressions on the left by using the Distributive Property and combining like terms. Then, match it to an equal expression on the right by connecting the two with a line.

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| 1. $6x + 2x$ | a. $8x$ |
| 2. $14x - 12 - x - 3$ | b. $\frac{1}{2}x + 1$ |
| 3. $-5x + 14 - x - 2$ | c. $13x - 15$ |
| 4. $-3 - 5x - 3x + 11x + 3$ | d. $2x + 11$ |
| 5. $-2(-5 - x) + x - x + 1$ | e. $2x$ |
| 6. $\frac{1}{2}(12) + 4x - (x - 1)$ | f. $6x^2 + x - 27$ |
| 7. $6(x^2 - 2) + 1 - 16 + x$ | g. $3x$ |
| 8. $4\left(\frac{1}{2}x + 4\right) + 1 - 16 + x$ | h. $3x + 1$ |
| 9. $5(x^2 + x)$ | i. $3x + 7$ |
| 10. $x + \left(1 - \frac{1}{2}x\right)$ | j. $-6x + 12$ |
| 11. $x^3 + x^2 + x + x - x^2 - x^3$ | k. $5x^2 + 5x$ |
| 12. Write an expression containing x -terms and constants. The x -terms should combine to $7x$ and the constants should sum to 13. | |
| 13. Write an expression containing x^2 -terms, x -terms and constants. The x^2 -terms should combine to $-2x^2$ the x -terms should sum to $3x$, and the constants should sum to 3. | |