



Simplify each expression by combining like terms.

Answers

1) $-5x^8 - 3x^8 + 14x + 9x$

1. _____

2) $-15x - 2x - 12y^7 + 15x - 4x$

2. _____

3) $15 - 7y^8 - 4y^8 + 2$

3. _____

4) $-2y^8 + 4z - 2x + 13x - 1x - 2x$

4. _____

5) $-9x^7 - 12 - 11x + 0 - 13x + 11$

5. _____

6) $-8y^4 + 1x + 2x + 12x$

6. _____

7) $7y^5 + 7y^8 - 4y^8 + 9y^5$

7. _____

8) $-13 - 12x^2 + 10y$

8. _____

9) $15z - 6y^4 + 11y$

9. _____

10) $10y^3 + 9y^4 - 8y + 8y^4 + 4y^4$

10. _____

11) $-12x + 13x^3 - 9x^3 - 7y^7$

11. _____

12) $-5y - 9y - 4y + 10y - 14y - 6y^4$

12. _____

13) $-11y^4 + 8y^6 - 8y^6 + 7y^6$

13. _____

14) $15 - 10y^6 - 10y^6$

14. _____



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Answers

- | | |
|-------------------------------|--|
| 1) $-5x^8-3x^8+14x+9x$ | 1. <u>$-8x^8+23x$</u> |
| 2) $-15x-2x-12y^7+15x-4x$ | 2. <u>$-6x-12y^7$</u> |
| 3) $15-7y^8-4y^8+2$ | 3. <u>$17-11y^8$</u> |
| 4) $-2y^8+4z-2x+13x-1x-2x$ | 4. <u>$-2y^8+4z+8x$</u> |
| 5) $-9x^7-12-11x+0-13x+11$ | 5. <u>$-9x^7-1-24x$</u> |
| 6) $-8y^4+1x+2x+12x$ | 6. <u>$-8y^4+15x$</u> |
| 7) $7y^5+7y^8-4y^8+9y^5$ | 7. <u>$16y^5+3y^8$</u> |
| 8) $-13-12x^2+10y$ | 8. <u>$-13-12x^2+10y$</u> |
| 9) $15z-6y^4+11y$ | 9. <u>$15z-6y^4+11y$</u> |
| 10) $10y^3+9y^4-8y+8y^4+4y^4$ | 10. <u>$10y^3+21y^4-8y$</u> |
| 11) $-12x+13x^3-9x^3-7y^7$ | 11. <u>$-12x+4x^3-7y^7$</u> |
| 12) $-5y-9y-4y+10y-14y-6y^4$ | 12. <u>$-22y-6y^4$</u> |
| 13) $-11y^4+8y^6-8y^6+7y^6$ | 13. <u>$-11y^4+7y^6$</u> |
| 14) $15-10y^6-10y^6$ | 14. <u>$15-20y^6$</u> |



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