

Adding and Subtracting Exponents

In this worksheet, students will practice adding and subtracting terms with exponents. To combine exponential expressions, both the base and the exponent must be the same. Only then can the coefficients (the numbers in front) be added or subtracted.

- If the bases and exponents are the same, add or subtract the coefficients.
- If the exponents are different, the terms cannot be combined.

Exercises

1. $2y^5 - 7y^5 =$

2. $8y^3 + 6y^3 =$

3. $5x^5 - 1x^5 =$

4. $5m^5 + 3m^5 =$

5. $7m^2 - 7m^2 =$

6. $7b^6 - 5b^6 =$

7. $1m^6 + 4m^6 =$

8. $1n^3 + 4n^3 =$

9. $5n^2 - 9n^2 =$

10. $6n^2 + 2n^2 =$

11. $6a^5 - 2a^5 =$

12. $3m^3 - 4m^3 =$

13. $9b^6 + 2b^6 =$

14. $7m^2 + 1m^2 =$

15. $7b^5 + 9b^5 =$

16. $4y^5 - 1y^5 =$

17. $4x^4 - 6x^4 =$

18. $5m^6 + 1m^6 =$

19. $5y^3 - 2y^3 =$

20. $8m^5 + 2m^5 =$