

Index Laws: Multiplication

1. $x^3 \times x^4$

2. $x^3 \times x^5$

3. $x^3 \times x^{10}$

4. $x^3 \times x^{-10}$

5. $x^{-3} \times x^{-10}$

6. $x^{-3} \times x^{-10} \times x^{-5}$

7. $x^{-3} \times x^{-10} \times x^5$

8. $x^{-10} \times x^5$

9. $2x^{-10} \times x^5$

10. $2x^{-10} \times 3x^5$

11. $2x^{-10} \times 3x^{-5}$

12. $2x^{-5} \times 3x^{-5}$

13. $2x^5 \times 3x^{-5}$

14. $2x^5 \times 3x^{-4}$

15. $2x^{5y} \times 3x^{-4y}$

16. $2x^{8y} \times 3x^{-4y}$

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Index Laws: Multiplication - ANSWERS

1. x^7

2. x^8

3. x^{13}

4. x^{-7}

5. x^{-13}

6. x^{-18}

7. x^{18}

8. x^{-5}

9. $2x^{-5}$

10. $6x^{-5}$

11. $6x^{-15}$

12. $6x^{-10}$

13. 6

14. $6x$

15. $6x^y$

16. $6x^{4y}$

Index Laws: Multiplication - ANSWERS

1. x^7

2. x^8

3. x^{13}

4. x^{-7}

5. x^{-13}

6. x^{-18}

7. x^{18}

8. x^{-5}

9. $2x^{-5}$

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11. $6x^{-15}$

12. $6x^{-10}$

13. 6

14. $6x$

15. $6x^y$

16. $6x^{4y}$