

Introduction to Exponents

EXP1

Simplify by writing in exponent form:

1. $9 \cdot 9 \cdot 9 \cdot 9$ _____

2. $-3 \cdot -3 \cdot -3 \cdot -3 \cdot -3$ _____

3. $43 \cdot 43 \cdot 43$ _____

4. $n \cdot n \cdot n \cdot n \cdot n \cdot n$ _____

Simplify by writing in standard form:

5. 13^6 _____

6. -12^2 _____

7. x^7 _____

8. 17^1 _____

Use a calculator to evaluate:

9. $2^3 =$ _____

10. $3^2 =$ _____

11. $19^0 =$ _____

12. $(-4)^5 =$ _____

13. $(-7)^2 =$ _____

14. $-5^5 =$ _____

15. $-6^4 =$ _____

16. $10^8 =$ _____

17. $1^9 =$ _____

18. $9^1 =$ _____

Explain:

19. Explain in words and symbols how you know that $(-3)^4$ does NOT equal -3^4 .