Exponents

Name:_____ Date:_____

Find the value of x to balance the equation.

1. $x^2 = 289$

   $x =$ _____

2. $196 = 14^x$

   $x =$ _____

3. $512 = 2^x$

   $x =$ _____

4. $1728 = 12^x$

   $x =$ _____

5. $x^3 = 4096$

   $x =$ _____

6. $4913 = x^3$

   $x =$ _____

7. $1296 = x^4$

   $x =$ _____

8. $x^5 = 16807$

   $x =$ _____

9. $2744 = 14^x$

   $x =$ _____

10. $4096 = 4^x$

    $x =$ _____

11. $7776 = x^5$

    $x =$ _____

12. $x^5 = 3125$

    $x =$ _____

13. $2197 = x^3$

    $x =$ _____

14. $x^2 = 676$

    $x =$ _____

15. $6859 = 19^x$

    $x =$ _____

16. $x^4 = 38416$

    $x =$ _____

17. $9261 = 21^x$

    $x =$ _____

18. $8000 = x^3$

    $x =$ _____

Exponents

Name:_____ Date:_____

Find the value of x to balance the equation.

1. $x^2 = 289$

   $x = 17$

2. $196 = 14^x$

   $x = 2$

3. $512 = 2^x$

   $x = 9$

4. $1728 = 12^x$

   $x = 3$

5. $x^3 = 4096$

   $x = 16$

6. $4913 = x^3$

   $x = 17$

7. $1296 = x^4$

   $x = 6$

8. $x^5 = 16807$

   $x = 7$

9. $2744 = 14^x$

   $x = 3$

10. $4096 = 4^x$

    $x = 6$

11. $7776 = x^5$

    $x = 6$

12. $x^5 = 3125$

    $x = 5$

13. $2197 = x^3$

    $x = 13$

14. $x^2 = 676$

    $x = 26$

15. $6859 = 19^x$

    $x = 3$

16. $x^4 = 38416$

    $x = 14$

17. $9261 = 21^x$

    $x = 3$

18. $8000 = x^3$

    $x = 20$