

Name: _____

Score: _____

ExponentsFind the value of x to balance the equation.

1) $x^3 = 343$

$x = \underline{\hspace{2cm}}$

2) $1024 = 2^x$

$x = \underline{\hspace{2cm}}$

3) $512 = x^3$

$x = \underline{\hspace{2cm}}$

4) $729 = 3^x$

$x = \underline{\hspace{2cm}}$

5) $225 = x^2$

$x = \underline{\hspace{2cm}}$

6) $x^3 = 1331$

$x = \underline{\hspace{2cm}}$

7) $x^2 = 196$

$x = \underline{\hspace{2cm}}$

8) $625 = x^4$

$x = \underline{\hspace{2cm}}$

9) $1024 = 4^x$

$x = \underline{\hspace{2cm}}$

10) $32 = 2^x$

$x = \underline{\hspace{2cm}}$

11) $x^2 = 729$

$x = \underline{\hspace{2cm}}$

12) $1728 = x^3$

$x = \underline{\hspace{2cm}}$

13) $x^4 = 1296$

$x = \underline{\hspace{2cm}}$

14) $1000 = x^3$

$x = \underline{\hspace{2cm}}$

15) $256 = 2^x$

$x = \underline{\hspace{2cm}}$

16) $243 = 3^x$

$x = \underline{\hspace{2cm}}$

17) $x^2 = 169$

$x = \underline{\hspace{2cm}}$

18) $216 = x^3$

$x = \underline{\hspace{2cm}}$

19) $64 = x^2$

$x = \underline{\hspace{2cm}}$

20) $125 = 5^x$

$x = \underline{\hspace{2cm}}$

21) $x^2 = 49$

$x = \underline{\hspace{2cm}}$