

Name _____ Date _____

Solve each problem below using your knowledge of exponents.

1) Find $4^5 =$

2) Find $9^3 =$

3) Find 2 raised to the 5th power.

4) Find seven cubed.

5) Find 8 squared.

6) Find 3 raised to the 7th power.

7) $5^x = 625$ What is the value of x?

8) $7^x = 2,401$ What is the value of x?

9) What number raised to the 5th power equals 243?

10) What number raised to the 4th power equals 10,000?

11) $9^x = 1/729$ What is the value of x?

12) Find 10 cubed.

13) $-3^x = -27$ What is the value of x?

14) $15^x = 1$ What is the value of x?

15) $(-6)^x = -216$ What is the value of x?

16) $x^3 = 125$ What is the value of x?

17) $x^0 = 1$ What is x? Is there more than one answer for x?

18) $x^{-4} = 1/16$ What is x?