math Antics
Exercises

Name: _____

Date: _____

Exponents & Square Roots

1 Fill in the blank.

This symbol $\sqrt{}$ without any index number, is the _____ root.

2 Fill in the blank.

The root sign is also called the _____ sign.

3 Fill in the blank.

Exponents and Roots are _____ operations.

4 Use what you know about exponents and roots to fill in the missing number.

$7^2 = 49$

$\sqrt[2]{49} = \_\_\_$

5 Use what you know about exponents and roots to fill in the missing number.

$3^4 = 81$

$\sqrt[4]{81} = \_\_\_$

6 Use what you know about exponents and roots to fill in the missing number.

$\sqrt[3]{125} = 5$

$\_\_\_^3 = 125$

7 Use the multiplication table to find the roots of these "perfect squares".

$\sqrt{25} = \_\_\_$ $\sqrt{64} = \_\_\_$

$\sqrt{36} = \_\_\_$ $\sqrt{100} = \_\_\_$

8 Calculate this cube root.

$\sqrt[3]{8} = \_\_\_$

9 Use the root function on a calculator to find the value of this root. (Round your answer to 2 decimal places.)

$\sqrt{2} =$

10 Use the root function on a calculator to find the value of this root. (Round your answer to 2 decimal places.)

$\sqrt[3]{2} =$