
Radicals: Lesson 1

Intro Square Roots: Worksheet 1

Name: _____

Answer Key



List the perfect squares of 1-10.

1 4 9 16 25 36 49 64 81 100

Use a calculator to find the approximate square roots. Round your answers to the nearest hundredth.

$$\begin{array}{l} \sqrt{8} \\ 2.828427... \\ \approx 2.83 \end{array}$$

$$\begin{array}{l} \sqrt{20} \\ 4.472135... \\ \approx 4.47 \end{array}$$

$$\begin{array}{l} \sqrt{55} \\ 7.416198... \\ \approx 7.42 \end{array}$$

$$\begin{array}{l} \sqrt{63} \\ 7.9372539... \\ \approx 7.94 \end{array}$$

$$\begin{array}{l} \sqrt{103} \\ 10.148891... \\ \approx 10.15 \end{array}$$

Find the square roots. If no square root is available, write "No Real Numbers".

$$\sqrt{25} = 5$$

$$-\sqrt{4} = -2$$

$$-\sqrt{100} = -10$$

$$\sqrt{-100} = \text{no real numbers}$$

$$\sqrt{49} = 7$$

$$\sqrt{1} = 1$$

$$\sqrt{-1} = \text{no real numbers}$$

$$-\sqrt{16} = -4$$

$$\sqrt{81} = 9$$

$$\sqrt{-56} = \text{no real numbers}$$

Challenge! Find the square roots. Round to the nearest hundredth if necessary. You may use a calculator.

$$-\sqrt{144} = -12$$

$$\sqrt{400} = 20$$

$$\sqrt{625} = 25$$

$$-\sqrt{256} = -16$$

$$\sqrt{500} \approx 22.36$$