Radicals: Lesson 1

Introduction to Radicals: Notes

Nam	ne: MATH * ALL
$3^2 =$	3 "" = 3 × 3 = 9
The _	of 9 equals 3.
	The symbol $\sqrt{}$ is called the radical . What number times equals what is under the radical?
	$\sqrt{25}$ = $\sqrt{49}$ =
Perfe	ct squares up to 100: 1,, 9, 16,, 36, 49,,, 100 $\sqrt{81} = $ $\sqrt{16} = $ $\sqrt{not a perfect square}$ • Use a calculator. • The answer will be an • Because the answer never or, it is called irrational.
Use a	calculator to find $\sqrt{2}$. or Answer: 1.414213562 Check: $1.4 \times 1.4 =$

Use a calculator to find $\sqrt{54}$, rounding to the nearest hundredth.

√54 = 7.34846922... ≈ _____



We cannot take square roots of ______ numbers!

 $\sqrt{-9} \neq 3$ because $-3 \times -3 \neq$ _____.



- \sqrt{25} = _____