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Simplifying Radical Expressions
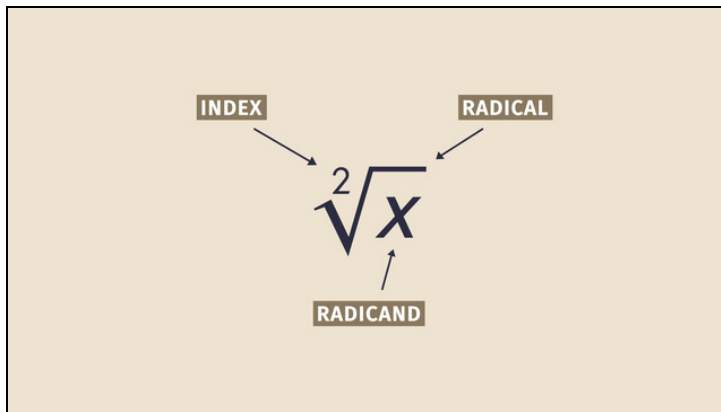
(1) **Label the parts of a radical expression.**

(2) Determine the distance c.

(3) Explain how to multiply and divide radical expressions.

(4) Decide which radical expressions can be simplified.

(5) Determine the missing length.

(6) Simplify the radical expressions.

(+) with lots of tips, answer keys, and detailed answer explanations for all of the problems.

⚠ The complete package, **including all problems, hints, answers, and detailed answer explanations** is available for all sofatutor.com subscribers.

Worksheet: Simplifying Radical Expressions
Mathematics / Algebra 1 / Radical Expressions / Equations / Simplifying Radical Expressions

1
of 6

Label the parts of a radical expression.

Fill in the correct names.

Calico Jack is having trouble remembering what each part of a radical expression is called. So Bonnie is labeling them for him. Help her write the names down for Jack.
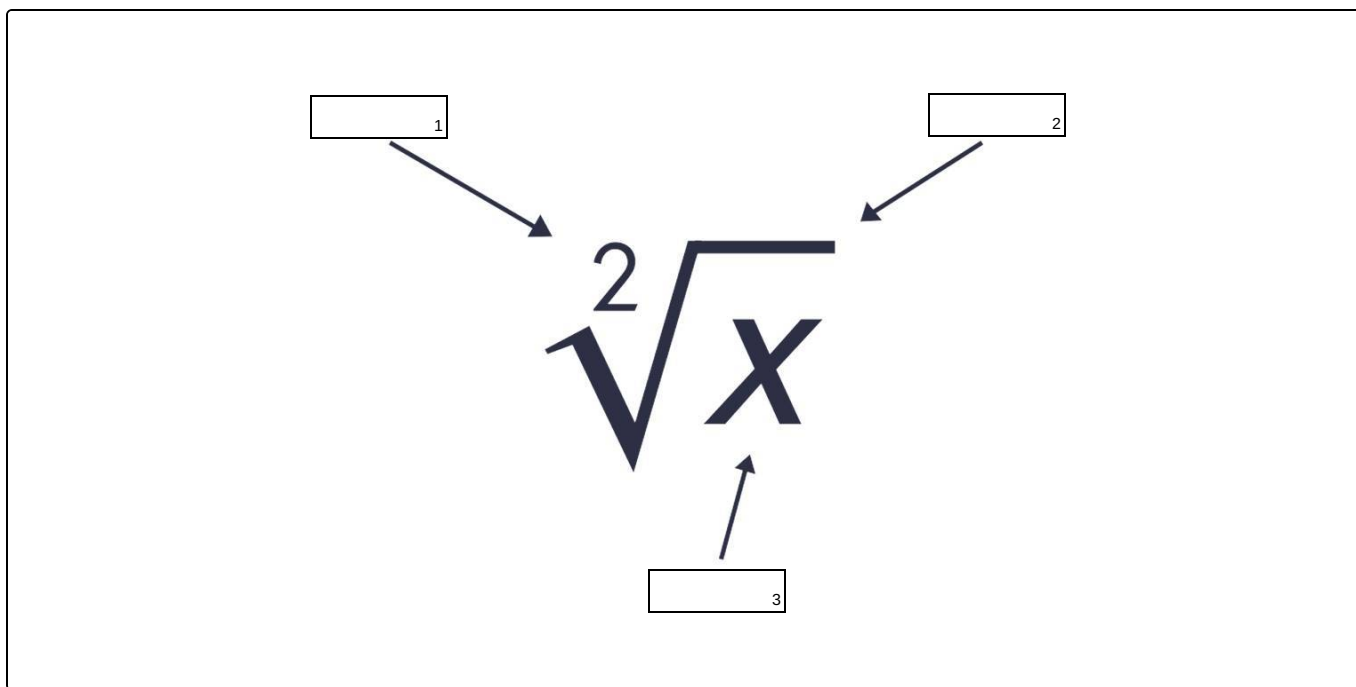
| operand | radicator | index | level | radicant | radical | radicand | order |

| radian |

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Hints for solving these problems

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of 6

Label the parts of a radical expression.

Hint #1

Pay close attention to spelling.

Hint #2

The number that indicates what root is being taken is called the index.

Answers and detailed answer explanations for these problems

1 of 6   Label the parts of a radical expression.

Answer key: 1: index // 2: radical // 3: radicand

The small number is called the index. It indicates which root is being taken. It is equal to two in the case of a square root.

The boxy shape that looks a bit like a check mark is called the radical.

The large number, inside the radical, is called the radicand.