

Nested Radical Expressions

Nemeth symbols and concepts addressed:

- Nested radical expression
- Order-of-radical indicators

Prerequisites:

The following Nemeth symbols and concepts will be addressed in this lesson, but they will not be thoroughly explained, so the student should be already skilled in these areas prior to starting this lesson:

- Radical expressions
- Fractions
- Operation signs
- Parentheses
- Absolute value
- Exponents

Objectives:

The student will be able to:

- 1) Write nested radical expressions
- 2) Read nested radical expressions
- 3) Write simplified or equivalent nested radical expressions
- 4) Read simplified or equivalent nested radical expressions
- 5) Define the term: nested radical expression

Teaching tips:

- Before opening any BRF files in Duxbury, go into the Global menu. Select "Formatted Braille Importer" and then check the box for "Read formatted braille without interpretation" at the top of the window. This will ensure that nothing is changed when opening the BRF files.
- In addition to the embedded activities within the focused lesson, there is one follow-up activity.
- When reading long problems to students, be sure to pause frequently to allow the student to finish brailleing each section of a problem before moving on to the next section. At a minimum, pause after each end root.
- The answers for the follow-up activity are available in SimBraille and braille. Please note that these are not formatted in cell 1 with run-overs in cell 3 since the word "Answer" is included.

- If needed, remind the student to check his/her work during writing activities.
- You may want to have the student practice reading problems with nested radical expressions as well. This can be done by using the answer key.