Rational equations, radical branches and systems

ACT · Vocabulary in context

Word	Example
restriction /rɪ'strɪkʃn/	The **restriction** $x \geq 0$ keeps $\sqrt{x}$ a real number.
candidate root /'kændɪdeɪt ruːt/	Check each **candidate root** in the original equation.
extraneous solution	Squaring both sides can add an **extraneous solution**, so check each answer.
principal square root	The **principal square root** of 9 is 3, not -3.

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