Extraneous Solutions: Guided Notes

# Definition

Extraneous solution: an extra result that does not make the original equation true

## Example:

But  does not work:



# Example Problems

Find the solution(s) to each of the following equations. Check for extraneous solutions.

**1)**  **2)** 

## **Hint**: When there are multiple radicals, isolate one radical, then take both sides to the power. Repeat as needed.

**3)** 