Lesson 4.09 – Solving Radical Equations

A **radical equation** is an equation containing a _____________ where a variable is, or a part of, the _____________.

**Examples of radical equations:** _____________, _____________, _____________

**Examples of non-radical equations:** _____________, _____________, _____________

When we solve an equation, we use the opposite operation to isolate the variable. The opposite operation of squaring a variable is ____________________________________________________________________.

**Ex.** The equation _______ has ____ answers: \( x = 6 \) and \( x = ____ \).

**Steps for Solving a Radical Equation:**

1) Isolate the _____________.

2) _____________ both sides.

3) Solve for the _____________.

4) _____________ your work!

When you check your work, you are looking for ______________ solutions.

These are solutions that do not check and are **not** included in your final answer!