Algebra 2

5-04 Solving Radical Equations and Inequalities

Radical Equation

Equation containing a _____

Steps to Solve a Radical Equation

1.   _____ the radical
2.   _____ both sides to whatever the _____ is (or the reciprocal of the exponent)
3.   _____
4.   _____ your answers!!!

$5 - \sqrt[4]{x} = 0$ $3x^{\frac{4}{3}} = 243$

$\sqrt{2x + 8} - 4 = 6$ $\sqrt{4x + 28} - 3\sqrt{2x} = 0$

$x + 2 = \sqrt{2x + 28}$

258 #1, 5, 9, 13, 17, 21, 25, 29, 31, 33, 37, 41, 45, 49, 51, 57, 61, 69, 77, 81 = 20