MATH 0482

Chapter 5.6 Solving Radical Equations

SQUARING PROPERTY OF EQUALITY: IF $a=b$, THEN $a^2=b^2$.

EXTRANEOUS SOLUTION:

$N = 4$

SOLVE.

$\sqrt{3x+1} = 4$

$\sqrt{x-3} = x-5$

$\sqrt{2x-1} + 2 = x$

$2\sqrt{2x+5} - x = 4$

$\sqrt{4-11x} - x + 2 = 0$

$\sqrt[3]{4x^2+7} - 2 = 0$

$\sqrt{5x-3} = \sqrt{4x-1}$

$\sqrt[3]{x^2+x-14} = \sqrt[3]{x+50}$

$\sqrt{x+2} - \sqrt{x} = 1$

$\sqrt{2x+10} - \sqrt{x+6} = 1$