

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.

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

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

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

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

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

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

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

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

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Chapter 5.6: -5-

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

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