Math 11 PreCalculus

Section 2.5 Solving Radical Equations

Read Examples 1 – 3 starting on page 141. Do all of the Check Your Understandings. Don't forget to:

1. Find restrictions on the variable *x*
2. Verify that the Left Hand Side and Right Hand Side are equal when your solution(s) are substituted back into the equation

Try these examples (to be covered in class):

1. $\sqrt{x-1}=3$

2. $1+3\sqrt{x-2}=4$

3. $1-3\sqrt{x-2}=4$

4. $4\sqrt{x+1}=3-2\sqrt{x+1}$

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

6. $\sqrt{3x+1}=\sqrt{x-2}$