**15.3 – Solving Equations with Square Roots**

Steps for solving a radical equation:

1. Isolate the radical term.

1. Square both sides.
2. Solve for x.
3. Write the solution.

Examples:

1. $\sqrt{7x-24}=5$ solution:\_\_\_\_\_\_\_\_\_\_\_
2. $\sqrt{3x-8}+1=3$ solution:\_\_\_\_\_\_\_\_\_\_\_

3. $-7+4\sqrt{x}=-3$ solution: \_\_\_\_\_\_\_\_\_\_\_

4. $-5+\sqrt{x+7}=-2$ solution: \_\_\_\_\_\_\_\_\_\_\_

5. $3\sqrt{x+1}=3$ solution: \_\_\_\_\_\_\_\_\_\_\_