Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_

Solving Radical Equations.

Check for Extraneous Solutions.

1. $\left(x+7\right)^{\frac{1}{2}}=x-5$ 2. $\left(x+2\right)^{\frac{1}{2}}=10-x$

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

5. $2\left(x-1\right)^{\frac{1}{2}}=\left(26+x\right)^{\frac{1}{2}}$ 6. $\left(7-x\right)^{\frac{1}{2}}=\left(2x+13\right)^{\frac{1}{2}}$