Solving Radical Equations HW Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve each equation. Check for extraneous roots when applicable.**

1.  2. 

3.  4. 

5. $\frac{1}{3}x^{3 }$= 9 6. $(16x)^{3 }+44=556$

7. $-4\sqrt[3]{x+10 }+3=15$ 8. $ \sqrt[3]{4x-9} =\sqrt[3]{2x-4}$



9. 10.

Find the value of K.

13. $\frac{1}{2}(x-2)^{4/3}-20=21$

11.  , given the solution is 20.

12.  , given the solution is 3.