Checking Answers

Example Solve $\sqrt[3]{3x-9} - 2 = -4$ $\sqrt[3]{3x-9} = -2$ Isolate radical 3x - 9 = -8 Cube both sides 3x = 1x = 1/3

Example Solve $\sqrt{x^2 - 8} = 2 - x$ $x^2 - 8 = 4 - 4x + x^2$ Square both sides -12 = -4x3 = x

Check your answer. **3 does not work**

What that means is there is no real value of x that will satisfy the original equation. We say the answer is the null set or empty set.

We write it this way Ø