

Radical Equations

Summary

1. When solving radical equations, get the radical by itself and raise both sides to the root's power.
2. You will need to check that your answers don't result in square roots of negative values.

Example 1. Solve each. Check your answers for extraneous solutions.

(a) $\sqrt{2x - 3} = 9$

(b) $\sqrt{-10x - 1} + 3x = 0$

(c) $\sqrt[3]{x+1} + 5 = 3$

(d) $\sqrt{4-x} = x-2$