

Name:

Date: Score:

Solving Radical Equations Worksheet

Solve the given equations. Show your work

1 $\sqrt[9]{4x} = 72$

2 $\sqrt{19 - 3x} - 1 = 3x$

3 $x + 2\sqrt{x + 1} = 7$

4 $\sqrt{x} + \sqrt{x - 7} = 7$

5 $\sqrt[3]{x + 1} = \sqrt[3]{x^2 - 5}$

6 $\sqrt{(x + 1)^3} = 9$

7 $\sqrt{2p + 3} = \sqrt{5p - 3}$

8 $\sqrt{m + 10} - \sqrt{m - 6} = 2$

9 $\sqrt[3]{c} - 1 = \sqrt{c} + 1$

10 $\sqrt{3t + 1} + \sqrt{5 - t} = 4$