

**Radicals 2 – Solving Radical Equations
Homework #8**

Solve for x :

1. $\sqrt{2x-1} = \sqrt{3x+1}$

2. $\sqrt{x^2 - 3x - 3} = 1$

3. $4\sqrt{x-5} = 24$

4. $5\sqrt{2x+1} - 11 = -21$

5. $\sqrt{21-4x} - x = 0$

6. $3\sqrt{x-1} = \sqrt{2x+26}$

7. $\sqrt{x+2} = x$

8. $\sqrt{x+1} = 2\sqrt{x-1}$

9. $x+5 = \sqrt{18x+13}$

10. $3\sqrt{x-2} + 14 = 2$

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