

Solve the indicated radical equations for real  $x$ . Be sure to check your solutions in the original equation.

1)  $\sqrt{x+5} = -3$

2)  $\sqrt{x+5} = 3$

3)  $\sqrt{x+5} = 3x - 8$

4)  $\sqrt{x+5} + \sqrt{x+8} = 3$