

Alg 2D
Ch 7

Sec 7.5. Solve each equation. Check for extraneous sol'ns.

1. $(x+4)^{1/2} = 7$ 2. $\sqrt{2x+1} = -3$ 3. $(2x-4)^{1/3} = -2$

4. $\sqrt{4x+2} = \sqrt{3x+4}$ 5. $3(2x+4)^{4/3} = 48$ 6. $\sqrt{3x} = 6$

7. $\sqrt{3x+1} - 5 = 0$ 8. $(x-1)^{\frac{9/4}{5/4}} = 32$ 9. $5\sqrt{x} + 2 = 22$

10. $(x+4)^{1/2} = (2x)^{1/2}$ 11. $2x^{3/4} - 1 = 53$ 12. $(7x-3)^{1/3} = 5$