

10.4 Homework

Tell which solutions, if any are extraneous. Show your work.

1) $\sqrt{12-n} = n$, $n = -4, n = 3$

2) $x = \sqrt{28-3x}$; $x = 4, x = -7$

Solve each radical. Check your solutions. If there are no solutions, write no solution.

3) $\sqrt{t} + 2 = 9$

4) $\sqrt{2b} + 4 = 8$

5) $\sqrt{10b+6} = 6$

6) $\sqrt{3x+1} = \sqrt{5x-8}$

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