

LOOKING FOR EXTRANEOUS SOLUTIONS

Find the solution(s) to each of the following equations. Check for extraneous solutions.

1) $\sqrt[4]{a^4 + 15} = 2a$

2) $-x - 5 = (-4x - 23)^{\frac{1}{2}}$

3) $-2\sqrt{r+4} = \sqrt{-r+1}$

4) $1 = \sqrt{5n-5} - \sqrt{3n-2}$