

Solving Equations

Solve each equation. Remember to check for extraneous solutions.

1) $\sqrt{m} = 5$

2) $\sqrt{a} = 4$

3) $\sqrt{a} = 3$

4) $\sqrt{1-b} = \sqrt{-4-2b}$

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

6) $\sqrt{-4-x} = 2$

7) $6 = (4p-4)^{\frac{1}{2}}$

8) $4 = (n-2)^{\frac{1}{2}}$

9) $(72-n)^{\frac{1}{2}} = n$

Answers to Solving Equations

1) $\{25\}$
5) $\{1\}$
9) $\{8\}$

2) $\{16\}$
6) $\{-8\}$

3) $\{9\}$
7) $\{10\}$

4) $\{-5\}$
8) $\{18\}$