

Solving Radicals

Solve each equation. Remember to check for extraneous solutions.

1) $2 = \sqrt{\frac{n}{6}}$

2) $1 = \sqrt{x-1}$

3) $2 = \sqrt{\frac{x}{3}}$

4) $\sqrt{r+9} = 4$

5) $2\sqrt{30-5x} = 10$

6) $3\sqrt{x+10} - 5 = 13$

7) $4\sqrt{3m-1} + 6 = 14$

8) $\frac{1}{2}\sqrt{m-4} - 3 = 2$

Answers to Solving Radicals

1) $\{24\}$

5) $\{1\}$

2) $\{2\}$

6) $\{26\}$

3) $\{12\}$

7) $\{\frac{5}{3}\}$

4) $\{7\}$

8) $\{104\}$