

A.REI.A.2: Solving Radicals 5

1 Solve: $\sqrt{3x} - \sqrt{x-3} = 3$

2 Solve: $\sqrt{x+2} + \sqrt{x-3} = 5$

3 Solve: $\sqrt{x+4} - \sqrt{x-3} = 1$

4 Solve: $x\sqrt{x} - 2\sqrt{x} = x$

5 Solve: $\sqrt{x+1} - \sqrt{x-4} = \sqrt{x-7}$

6 Solve: $\sqrt{6x+6} - \sqrt{3x+1} = \sqrt{5x-21}$

7 Solve: $\sqrt{2x+3} - \sqrt{2x-2} = \sqrt{8x-23}$

8 Solve: $\sqrt{x+2} + \sqrt{x-3} = \sqrt{2x+11}$

9 Solve: $\sqrt{x+2} + \sqrt{x-3} = \sqrt{4x-3}$

10 Solve: $2\sqrt{x+1} = \sqrt{x-4} + \sqrt{x+8}$

11 Solve: $\sqrt{4+x} + \frac{10}{\sqrt{5x}} = \sqrt{5x}$

12 Solve: $\sqrt{x+10} - \frac{6}{\sqrt{x+10}} = 5$

13 Solve: $\sqrt{x-1} + \sqrt{x} = \frac{2}{\sqrt{x}}$

14 Solve: $\sqrt{x} - \sqrt{x-8} = \frac{2}{\sqrt{x-8}}$

15 Solve: $\frac{1}{1-x} + \frac{1}{1+\sqrt{x}} - \frac{1}{1-\sqrt{x}} = 0$

16 Solve: $x + \sqrt{x^2 - 8} = \frac{3x - \sqrt{x^2 - 8}}{x - \sqrt{x^2 - 8}}$

A.REI.A.2: Solving Radicals 5
Answer Section

1 ANS:
12 and 3

REF: 090407al

2 ANS:
7

REF: 039410al

3 ANS:
12

REF: 019511al

4 ANS:
0 and 4

REF: 039913al

5 ANS:
8

REF: 099409al

6 ANS:
5

REF: 019609al

7 ANS:
3

REF: 099809al

8 ANS:
7

REF: 099905al

9 ANS:
7

REF: 010510al

10 ANS:
8

REF: 090509al

11 ANS:
1 and 5

REF: 030509al

12 ANS:
26

REF: 060504al

13 ANS:
 $\frac{4}{3}$

REF: 060013al

14 ANS:
9

REF: 069711al

15 ANS:
 $\frac{1}{4}$

REF: 039911al

16 ANS:
3

REF: 010608al