

A.REI.A.2: Solving Radicals 4

- 1 Solve for x : $7 = \sqrt{2x - 5}$
- 2 Solve for x : $\sqrt{3x - 5} = 5$
- 3 Solve for x : $\sqrt{3x - 5} = 2$
- 4 Solve for x : $\sqrt{x + 2} - 3 = 0$
- 5 Solve for x : $\sqrt{2x - 2} - 2 = 0$
- 6 Solve for x : $\sqrt{5x + 2} - 3 = 0$
- 7 Solve for x : $\sqrt{2x - 4} - 6 = 0$
- 8 Solve for x : $\sqrt{2x + 7} - 5 = 0$
- 9 Solve for x : $3\sqrt{2x + 5} - 15 = 0$
- 10 Solve for x : $\sqrt{2x - 3} - 2 = 5$
- 11 Solve for x : $\sqrt{x + 3} - 3 = -1$
- 12 Solve for x : $\sqrt{x + 3} + 2 = 6$
- 13 What is the solution of the equation $\sqrt{5x - 9} - 3 = 1$?
- 14 Solve for x : $\sqrt{2x - 8} - 1 = 5$
- 15 Solve for x : $\sqrt{3x - 8} + 4 = 11$
- 16 Solve for x : $5 + \sqrt{3x - 2} = 9$
- 17 Solve for x : $x - 1 = \sqrt{2x + 13}$
- 18 Solve for x : $x + \sqrt{2x - 1} = 8$
- 19 Solve for x : $\sqrt{x - 4} = \frac{x}{4}$
- 20 If $\sqrt{5 - y} = 2$, find the numerical value of $(5 - y)^2$.
- 21 Solve for x : $\sqrt{x^2 + 7} = x + 1$
- 22 Find, to the *nearest tenth*, the positive value of x in the equation $\sqrt{x^2 + 21} = 2x$
- 23 When 4 is subtracted from 2 times a certain number, the square root of the result is 6. Find the number.

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Answer Section

1 ANS:
27

REF: 089304siii

2 ANS:
10

REF: 068604siii

3 ANS:
3

REF: 069401siii

4 ANS:
7

REF: 088502siii

5 ANS:
3

REF: 089604siii

6 ANS:
 $\frac{7}{5}$

REF: 019805siii

7 ANS:
20

REF: 060303siii

8 ANS:
9

REF: 080303siii

9 ANS:
10

REF: 019011siii

10 ANS:
26

REF: 069509siii

11 ANS:
1

REF: 089503siii

- 12 ANS:
13

REF: 019601siii
- 13 ANS:
5

REF: 069708siii
- 14 ANS:
22

REF: 069804siii
- 15 ANS:
19

REF: 069901siii
- 16 ANS:
6

REF: 010105siii
- 17 ANS:
6

REF: 060016siii
- 18 ANS:
5

REF: 089637siii
- 19 ANS:
8

REF: 089406siii
- 20 ANS:
16

REF: 018516siii
- 21 ANS:
3

REF: 088615siii
- 22 ANS:
2.6

REF: 089713siii
- 23 ANS:
20

REF: 088406siii