Task card 1 Solving Radical Equations

Solve: $\sqrt{(5x - 49)} - 4 = -3$

Task card 2 Solving Radical Equations

Solve: $\sqrt[3]{(3x + 4)} - 6 = -5$

Task card 3 Solving Radical Equations

Solve: $\sqrt{(x + 4)} = x + 2$

Task card 4 Solving Radical Equations

Solve: $2\sqrt{(x + 31)} = 10$

Task card 5 Solving Radical Equations

Solve: $\sqrt{(x + 29)} = x - 1$

Task card 6 Solving Radical Equations

Solve: $\sqrt{(2x - 5)} + 7 = 4$

Task card 7 Solving Radical Equations

Solve: $\sqrt[3]{(2x + 62)} + 3 = 7$

Task card 8 Solving Radical Equations

Solve: $\sqrt{(x + 5)} = x - 1$

Task card 9 Solving Radical Equations

Solve: $\sqrt{(x + 57)} = x + 1$

Task card 10 Solving Radical Equations

Solve: $\sqrt{(5x - 28)} = \sqrt{(x)}$

Task card 11 Solving Radical Equations

Solve: $\sqrt[3]{(4x - 56)} - 1 = -5$

Task card 12 Solving Radical Equations

Solve: $\sqrt{(x + 2)} = x$

Task card 13 Solving Radical Equations

Solve: $2\sqrt{(3x + 67)} = 14$

Task card 14 Solving Radical Equations

Solve: $\sqrt{(4x + 15)} = \sqrt{(x + 21)}$

Task card 15 Solving Radical Equations

Solve: $\sqrt{(x + 9)} = x - 3$

Task card 16 Solving Radical Equations

Solve: $\sqrt{(2x - 16)} - 8 = -10$

Task card 17 Solving Radical Equations

Solve: $\sqrt{(x - 2)} = x - 2$

Task card 18 Solving Radical Equations

Solve: $\sqrt{(x + 27)} = \sqrt{(3x + 23)}$

Task card 19 Solving Radical Equations

Solve: $\sqrt[3]{(5x - 13)} - 5 = -7$

Task card 20 Solving Radical Equations

Solve: $\sqrt{(x + 52)} = x - 4$

Task card 21 Solving Radical Equations

Solve: $3\sqrt{(x + 15)} = 9$

Task card 22 Solving Radical Equations

Solve: $\sqrt{(2x + 13)} = \sqrt{(3x + 14)}$

Task card 23 Solving Radical Equations

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

Task card 24 Solving Radical Equations

Solve: $\sqrt{(x + 4)} - 8 = -10$

Solving Radical Equations Task Cards

Recording sheet · Grade 11 · Solve for x and check your answers. If there are two solutions write x = a or x = b; if nothing works write no solution.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Solving Radical Equations Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. x = 10	**2.** x = -1	**3.** x = 0
4. x = -6	**5.** x = 7	**6.** no solution
7. x = 1	**8.** x = 4	**9.** x = 7
10. x = 7	**11.** x = -2	**12.** x = 2
13. x = -6	**14.** x = 2	**15.** x = 7
16. no solution	**17.** x = 3 or x = 2	**18.** x = 2
19. x = 1	**20.** x = 12	**21.** x = -6
22. x = -1	**23.** x = 5	**24.** no solution