Task card 1 Solving Radical Equations

Solve: $\sqrt{(x + 5)} = x + 3$

Task card 2 Solving Radical Equations

Solve: $\sqrt{(x + 15)} = \sqrt{(2x + 7)}$

Task card 3 Solving Radical Equations

Solve: $\sqrt[3]{(2x - 5)} - 1 = 0$

Task card 4 Solving Radical Equations

Solve: $\sqrt{(x + 21)} = x + 1$

Task card 5 Solving Radical Equations

Solve: $\sqrt{(3x - 20)} + 8 = 12$

Task card 6 Solving Radical Equations

Solve: $\sqrt{(5x - 11)} = \sqrt{(4x - 4)}$

Task card 7 Solving Radical Equations

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

Task card 8 Solving Radical Equations

Solve: $\sqrt{(3x + 64)} + 8 = 1$

Task card 9 Solving Radical Equations

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

Task card 10 Solving Radical Equations

Solve: $\sqrt{(4x + 11)} = \sqrt{(3x + 12)}$

Task card 11 Solving Radical Equations

Solve: $\sqrt[3]{(x + 53)} - 3 = 1$

Task card 12 Solving Radical Equations

Solve: $\sqrt{(x + 8)} = x + 2$

Task card 13 Solving Radical Equations

Solve: $3\sqrt{(5x + 6)} = 12$

Task card 14 Solving Radical Equations

Solve: $\sqrt{(3x + 21)} = \sqrt{(x + 25)}$

Task card 15 Solving Radical Equations

Solve: $\sqrt{(x + 17)} = x - 3$

Task card 16 Solving Radical Equations

Solve: $\sqrt{(x + 51)} - 6 = -13$

Task card 17 Solving Radical Equations

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

Task card 18 Solving Radical Equations

Solve: $\sqrt{(5x + 18)} = \sqrt{(x + 22)}$

Task card 19 Solving Radical Equations

Solve: $\sqrt[3]{(x + 22)} - 5 = -2$

Task card 20 Solving Radical Equations

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

Task card 21 Solving Radical Equations

Solve: $\sqrt{(3x + 16)} + 6 = 13$

Task card 22 Solving Radical Equations

Solve: $\sqrt{(3x - 7)} = \sqrt{(5x - 19)}$

Task card 23 Solving Radical Equations

Solve: $\sqrt{(x + 6)} - 9 = -10$

Task card 24 Solving Radical Equations

Solve: $\sqrt{(x + 20)} = x$

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 · Hard

The answers online

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