

Name:

Week11.Lesson2-RadicalEquationsDifficulty3-5

Date:

(1) $\sqrt{35x + 46} = x + 10$

(2) $\sqrt{9x + 115} - 15 = x$

(3) $\sqrt{25x - 44} - x = 4$

Name:

Week11.Lesson2-RadicalEquationsDifficulty3-5

Date:

$$(4) \sqrt{46x + 278} - 17 = x$$

$$(5) \sqrt{33x + 357} = x + 19$$

$$(6) \sqrt{-2x - 8} - x = 4$$

Name:

Week11.Lesson2-RadicalEquationsDifficulty3-5

Date:

(7) $\sqrt{6x + 60} = x - 2$

(8) $\sqrt{9x + 88} - x = 4$

(9) $\sqrt{27x - 89} - x = 3$

Name:

Week11.Lesson2-RadicalEquationsDifficulty3-5

Date:

(10) $\sqrt{27x + 334} = x + 18$

(11) $\sqrt{-26x + 299} = x - 18$

(12) $\sqrt{-16x + 217} - x = -7$

Name:

Week11.Lesson2-RadicalEquationsDifficulty3-5

Date:

(13) $\sqrt{-13x - 48} - 2 = x$

Name:

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Version 1 Answer Key!

(1) $x = 6, x = 9$

(2) $x = -10, x = -11$

(3) $x = 5, x = 12$

(4) $x = 11, x = 1$

(5) $x = -1, x = -4$

(6) $x = -4, x = -6$

(7) $x = -4, x = 14$

(8) $x = 9, x = -8$

(9) $x = 14, x = 7$

(10) $x = -10, x = 1$

(11) $x = 5, x = 5$

(12) $x = -14, x = 12$

(13) $x = -4, x = -13$