Task card 1 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(7 - x)}$.

Task card 2 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x + 28)}$.

Task card 3 Domain of Square Root Functions

Find the domain of $f(x) = 3\sqrt{(-x - 2)} - 7$.

Task card 4 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x + 16)}$.

Task card 5 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(-x - 9)}$.

Task card 6 Domain of Square Root Functions

Find the domain of $f(x) = 3\sqrt{(x - 3)} + 5$.

Task card 7 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(8 - x)}$.

Task card 8 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x + 20)}$.

Task card 9 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(21 - 3x)}$.

Task card 10 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(2 - 2x)}$.

Task card 11 Domain of Square Root Functions

Find the domain of $f(x) = 3\sqrt{(-4x - 36)} + 8$.

Task card 12 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x - 16)}$.

Task card 13 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(28 - 4x)}$.

Task card 14 Domain of Square Root Functions

Find the domain of $f(x) = 2\sqrt{(-4x - 32)} - 3$.

Task card 15 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(24 - 4x)}$.

Task card 16 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x - 28)}$.

Task card 17 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(2x + 11)}$.

Task card 18 Domain of Square Root Functions

Find the domain of $f(x) = 2\sqrt{(2 - x)} + 7$.

Task card 19 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(4x - 3)}$.

Task card 20 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(-3x - 15)}$.

Task card 21 Domain of Square Root Functions

Find the domain of $f(x) = 2\sqrt{(7 - 4x)} - 1$.

Task card 22 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(1 - x)}$.

Task card 23 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(2x - 3)}$.

Task card 24 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(-x - 7)}$.

Domain of Square Root Functions Task Cards

Recording sheet · Grade 11 · Write each domain as an inequality, like x ≥ 3, x ≤ -2 or x > 5/2. Type >= for ≥ and <= for ≤.

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

Domain of Square Root Functions Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. $x \leq 7$	**2.** $x \geq -7$	**3.** $x \leq -2$
4. $x \geq -4$	**5.** $x \leq -9$	**6.** $x \geq 3$
7. $x \leq 8$	**8.** $x \geq -5$	**9.** $x \leq 7$
10. $x \leq 1$	**11.** $x \leq -9$	**12.** $x \geq 4$
13. $x \leq 7$	**14.** $x \leq -8$	**15.** $x \leq 6$
16. $x \geq 7$	**17.** $x \geq -\frac{11}{2}$	**18.** $x \leq 2$
19. $x \geq \frac{3}{4}$	**20.** $x \leq -5$	**21.** $x \leq \frac{7}{4}$
22. $x \leq 1$	**23.** $x \geq \frac{3}{2}$	**24.** $x \leq -7$