Task card 1 Domain of Square Root Functions

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

Task card 2 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(2x + 9)}$.

Task card 3 Domain of Square Root Functions

Find the domain of $f(x) = 1 / \sqrt{(2x + 2)}$.

Task card 4 Domain of Square Root Functions

Find the domain of $f(x) = 3 / \sqrt{(4x + 7)}$.

Task card 5 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(3x - 12)}$.

Task card 6 Domain of Square Root Functions

Find the domain of $f(x) = 5\sqrt{(-4x - 9)} - 9$.

Task card 7 Domain of Square Root Functions

Find the domain of $f(x) = 7 / \sqrt{(-5x - 5)}$.

Task card 8 Domain of Square Root Functions

Find the domain of $f(x) = 3 / \sqrt{(3x - 11)}$.

Task card 9 Domain of Square Root Functions

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

Task card 10 Domain of Square Root Functions

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

Task card 11 Domain of Square Root Functions

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

Task card 12 Domain of Square Root Functions

Find the domain of $f(x) = 1 / \sqrt{(4x + 3)}$.

Task card 13 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(2x - 16)}$.

Task card 14 Domain of Square Root Functions

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

Task card 15 Domain of Square Root Functions

Find the domain of $f(x) = 1 / \sqrt{(x - 6)}$.

Task card 16 Domain of Square Root Functions

Find the domain of $f(x) = 4 / \sqrt{(1 - 3x)}$.

Task card 17 Domain of Square Root Functions

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

Task card 18 Domain of Square Root Functions

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

Task card 19 Domain of Square Root Functions

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

Task card 20 Domain of Square Root Functions

Find the domain of $f(x) = 7 / \sqrt{(9 - 4x)}$.

Task card 21 Domain of Square Root Functions

Find the domain of $f(x) = \sqrt{(10 - 2x)}$.

Task card 22 Domain of Square Root Functions

Find the domain of $f(x) = 5\sqrt{(4x - 6)} + 9$.

Task card 23 Domain of Square Root Functions

Find the domain of $f(x) = 7 / \sqrt{(-5x - 25)}$.

Task card 24 Domain of Square Root Functions

Find the domain of $f(x) = 5 / \sqrt{(4 - 3x)}$.

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 ≤.

Scan to check your answers

Name: _____ Date: _____

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 · Hard

The answers online

1. $x \geq -9$

2. $x \geq -\frac{9}{2}$

3. $x > -1$

4. $x > -\frac{7}{4}$

5. $x \geq 4$

6. $x \leq -\frac{9}{4}$

7. $x < -1$

8. $x > \frac{11}{3}$

9. $x \geq 0$

10. $x \leq \frac{7}{2}$

11. $x > 8$

12. $x > -\frac{3}{4}$

13. $x \geq 8$

14. $x \geq \frac{7}{4}$

15. $x > 6$

16. $x < \frac{1}{3}$

17. $x \geq -4$

18. $x \leq \frac{5}{3}$

19. $x > 0$

20. $x < \frac{9}{4}$

21. $x \leq 5$

22. $x \geq \frac{3}{2}$

23. $x < -5$

24. $x < \frac{4}{3}$