

Domains of Functions - Practice (and solutions)

Find the domain of each of the following functions and write your result using interval notation.

1. $f(x) = 2x - 3$

2. $g(x) = 3x^3 - 5x^2 + 3x - 5$

3. $f(x) = \sqrt{4 - x}$

4. $f(x) = x^4 + 2$

5. $g(x) = \frac{4}{1 - x}$

6. $f(x) = \frac{-2}{x}$

7. $f(x) = \frac{-3}{4 - x^2}$

8. $f(x) = \frac{-3}{4 + x^2}$

9. $f(x) = \frac{2x - 1}{x^2 + 4x}$

10. $g(x) = \frac{6x}{3x^2 + 9x + 6}$

11. $f(x) = \sqrt{x - 2}$

12. $g(x) = \sqrt{3x + 2}$

13. $f(x) = \sqrt[3]{4 - x}$

14. $f(x) = \sqrt[4]{4 - x}$

15. $f(x) = \sqrt[5]{4 - x}$

16. $f(x) = \frac{1}{\sqrt{x + 2}}$

17. $g(x) = \frac{3x^2}{\sqrt{4 - x}}$

18. $g(x) = \frac{3x}{\sqrt{4 - x^2}}$