

Domain of Function

Determine the domain for each of the following.

1. $f(x) = x - 5$

9. $f(x) = \frac{x^2 - 16}{x^2 - 8x - 20}$

2. $f(x) = 5x^4 - 8$

10. $f(x) = \frac{-2x^3}{3x^2 + 13x - 10}$

3. $f(x) = \frac{3x - 5}{x}$

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

4. $f(x) = \frac{2x + 3}{x - 5}$

12. $f(x) = \sqrt{5x + 2}$

5. $f(x) = \frac{5x + 7}{x^2 - 9}$

13. $f(x) = \frac{\sqrt{2x - 3}}{5}$

6. $f(x) = \frac{\sqrt{5}}{x^2 - 3x}$

14. $f(x) = \sqrt{3 - 7x}$

7. $f(x) = \frac{2x}{x^2 - 3x - 10}$

15. $f(x) = \frac{\sqrt{2x + 5}}{x^2 - 16}$

8. $f(x) = \frac{3x^2 + 5x}{x^2 + 5x + 6}$

16. $f(x) = \frac{\sqrt{3x + 10}}{2x^2 - 3x - 5}$