

Types of Questions:

Match the function with its graph.

Write the equation based on the following characteristics

Determine the following and graph.

Domain:

Hole:

VA:

HA:

SA

Table of Values

Graph

Graph non-calculator

1. $g(x) = \frac{x^2 + 7x + 10}{x^2 - 4}$

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

3. $y = \frac{x^2 + x - 2}{x + 1}$

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

Graph with calculator

5. $y = \frac{x}{x^2 - 36}$

6. $f(x) = \frac{3x - 1}{6x^2 + 25x - 9}$

7. $g(x) = \frac{-x^5}{4x^3 - 16x}$

8. $y = \frac{x - 4}{x^2 - 5x + 4}$

Everything but the graph

9. $y = \frac{x^2 - 3x + 4}{x + 2}$

10. $f(x) = \frac{x + 1}{x^2 - 5}$

11. $y = \frac{x^2 - 16}{x + 4}$

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

Write the equation given the following:

13. Hole: $x = 3$
 VA: $x = -2, x = 4$
 HA: none
 SA: none

14. Hole: none
 VA: $x = 5$
 HA: $y = 0$
 SA: none

15. Hole: none
 VA: $x = 2$
 HA: none
 SA: none

