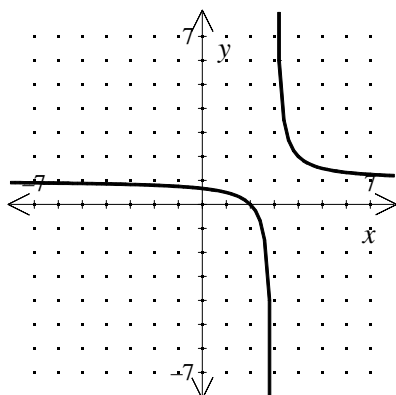


NAME: _____

1. Which function matches the graph?



- [A] $f(x) = \frac{x-4}{x-1}$ [B] $f(x) = \frac{x-2}{x-3}$
[C] $f(x) = \frac{x-1}{x-4}$ [D] $f(x) = \frac{x-3}{x-2}$

2. Identify the type of symmetry (if any) of the graph of the function.

$$g(x) = \frac{5x^4}{2x^4 + 1}$$

- [A] origin symmetry
[B] x - axis symmetry
[C] y - axis symmetry
[D] no symmetry

3. Identify the type of symmetry (if any) of the graph of the function.

$$g(x) = \frac{4x^6}{3x^7 + 1}$$

- [A] no symmetry [B] origin symmetry
[C] y - axis symmetry
[D] x - axis symmetry

4. Identify the type of symmetry (if any) of the graph of the function.

$$g(x) = \frac{2x^5}{2x^2 + 1}$$

- [A] no symmetry [B] origin symmetry
[C] x - axis symmetry
[D] y - axis symmetry

5. Compare the quantity in Column A with the quantity in Column B.

Rewrite this function in $y = \frac{k}{(x-b)} + c$ form:

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

<u>Column A</u>	<u>Column B</u>
b	c

- [A] The quantity in Column A is greater.
[B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

[1] B

[2] C

[3] A

[4] B

[5] B