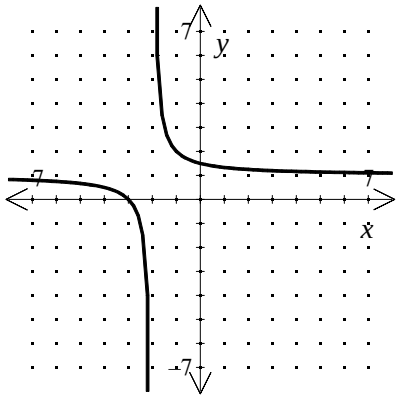
NAME:_____

1. Which function matches the graph?



[A] $f(x) = \frac{x+3}{x+2}$ [B] $f(x) = \frac{x+2}{x+3}$

[C] $f(x) = \frac{x+1}{x+4}$ [D] $f(x) = \frac{x+4}{x+1}$

[1] _____

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

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

[A] y-axis symmetry

[B] origin symmetry

[C] no symmetry [D] x-axis symmetry

[2] _____

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

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

[A] origin symmetry

[B] x-axis symmetry

[C] y-axis symmetry

[D] no symmetry

[3] _____

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

$g(x) = \frac{3x^2}{4x^2+1}$

[A] origin symmetry

[B] x-axis symmetry

[C] y-axis symmetry

[D] no symmetry

[4] _____

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

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

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

Column A	Column B
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.

[5] _____

[1] A

[2] B

[3] D

[4] C

[5] B