

NAME _____

Hour _____

2C.3 WS #3 Graphing Rational Functions

1. Use the rational function $f(x) = \frac{x+2}{x^2-4}$ to complete the following and graph the function. Show all work and label the graph appropriately.

a. Simplify

b. Domain

c. Vertical Asymptote(s):

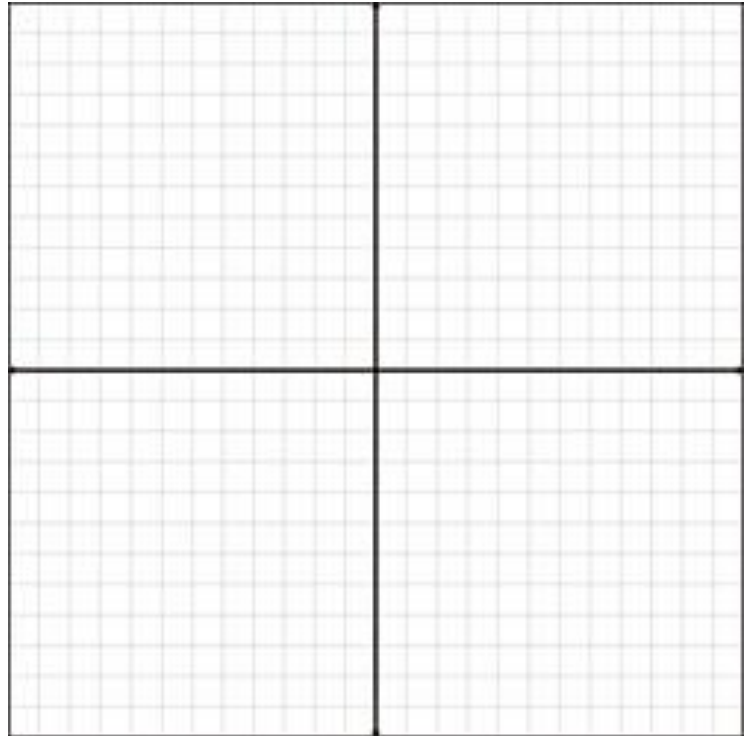
d. Horizontal Asymptote:

e. Slant Asymptote:

f. x -intercepts

g. y -intercepts

h. Additional Points



2. Use the rational function $f(x) = \frac{4x-2}{2x+1}$ to complete the following. Show all work and label the graph appropriately.

a. Simplify

b. Domain

c. Vertical Asymptote(s):

d. Horizontal Asymptote:

e. Slant Asymptote:

f. x -intercept(s):

g. y -intercept(s):

h. Additional Points:

