

**MA002**  
**Unit 3 Assessment**  
**Quiz 9a: Section 3.4**

1) Given the function  $f(x) = \frac{x-2}{x^2-4x-5}$ , find the following:

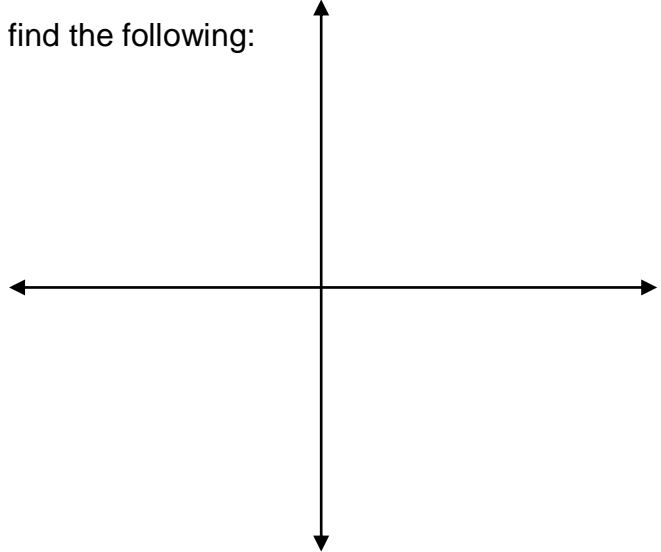
a. Vertical intercept(s)

b. Horizontal intercept(s)

c. Vertical asymptote(s)

d. Horizontal asymptote(s)

e. Sketch a graph.



2) Given the function  $f(x) = \frac{2x^2-4x-6}{x^2-4x+4}$ , find the following:

a. Vertical intercept(s)

b. Horizontal intercept(s)

c. Vertical asymptote(s)

d. Horizontal asymptote(s)

e. Sketch a graph.

