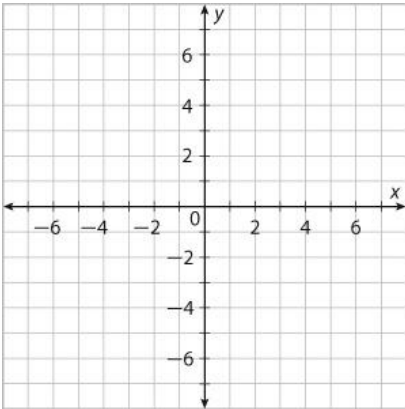


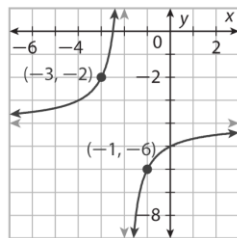
Algebra II Chapter 8 Test Review

1) Identify the horizontal and vertical asymptotes of the function $f(x) = \frac{2}{x-3} + 1$. Then sketch the function.



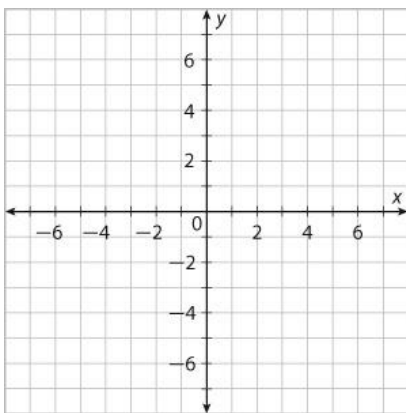
2)

Write the function whose graph is shown. Use the form $g(x) = a\left(\frac{1}{x-h}\right) + k$



3) Sketch the graph of the function.

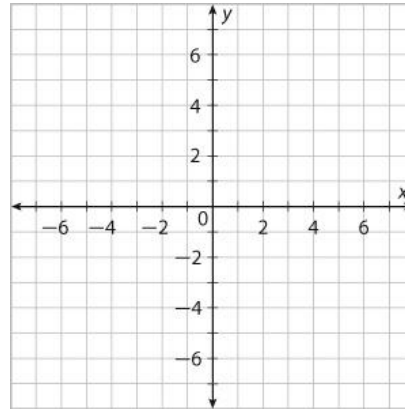
$$f(x) = \frac{x-4}{x^2-8x+12}$$



Find the point(s) of discontinuity (holes), Asymptotes, domain:

4) Sketch the graph of the function.

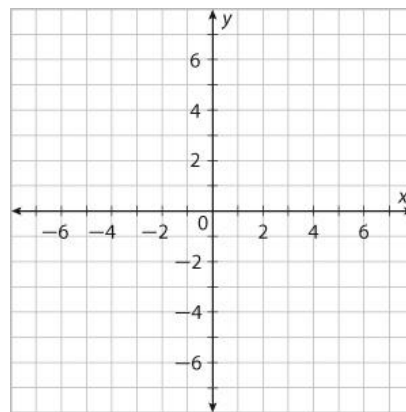
$$f(x) = \frac{x^2-4}{x+1}$$



Find the point(s) of discontinuity (holes), Asymptotes, domain:

5) Sketch the graph of the function.

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



Find the point(s) of discontinuity (holes), Asymptotes, domain: