

QUIZ#07 MATH 022 SECTION 12

Name:

Given the function $f(x) = \frac{x+4}{(x+2)(x-1)}$

1. The domain of $f(x)$ is:
2. The vertical asymptote(x) is(are):
3. The horizontal asymptote is:
4. The y-intercept is:
5. The x-intercept(s) is(are):
6. Does the graph cross its horizontal asymptote? (yes, no)
7. Sketch the graph of $f(x)$ below. Label the x-intercept(s), y-intercept, vertical asymptote(s) and the horizontal asymptote.