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

1. The domain of \( f(x) \) is:

2. The vertical asymptote(s) 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.