NAME(S):

1. Sketch the graph of a function f such that:

- f is discontinuous at $x = -2$, $x = 1$, and $x = 4$;
- f is continuous from the left at $x = -2$;
- f is continuous from the right at $x = 1$.

2. Find all numbers at which the function is discontinuous:

$$f(x) = \begin{cases} x^2 - 4 & \text{if } x \leq -2 \\ 2 - |x| & \text{if } -2 < x \leq 1 \\ \frac{1}{1-x} & \text{if } x > 1 \end{cases}$$