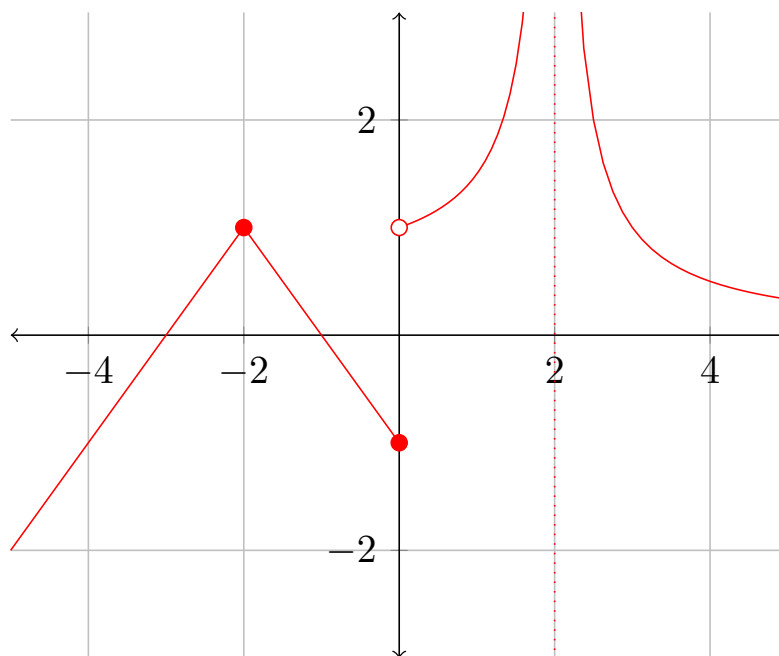


Please show **all** your work! Answers without supporting work will not be given credit.
Write answers in spaces provided.

Name: _____

1. [10 points] Consider the following function, $f(x)$, defined by its graph:



Find the following limits:

(a) $\lim_{x \rightarrow 2^-} f(x) = +\infty$

(e) $\lim_{x \rightarrow 0^-} f(x) = -1$

(i) $\lim_{x \rightarrow -2} f(x) = 1$

(b) $\lim_{x \rightarrow 2^+} f(x) = +\infty$

(f) $\lim_{x \rightarrow 0^+} f(x) = 1$

(j) $f(-2) = 1$

(c) $\lim_{x \rightarrow 2} f(x) = +\infty$

(g) $\lim_{x \rightarrow 0} f(x) = DNE$

(d) $f(2) = \text{undefined}$

(h) $f(0) = -1$