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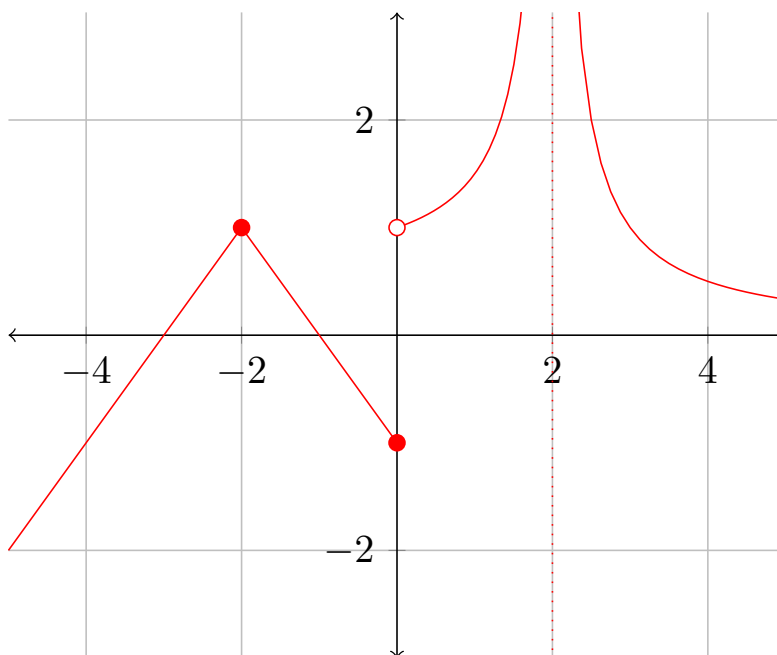> Write answers in spaces provided.

Name:_____

Consider the following function, $f(x)$, defined by its graph:

1. **[10 pts]** Find the following limits:

   (a) $\lim\limits_{x \to 2^-} f(x)$

   (b) $\lim\limits_{x \to 2^+} f(x)$

   (c) $\lim\limits_{x \to 2} f(x)$

   (d) $f(2)$

   (e) $\lim\limits_{x \to 0^-} f(x)$

   (f) $\lim\limits_{x \to 0^+} f(x)$

   (g) $\lim\limits_{x \to 0} f(x)$

   (h) $f(0)$

   (i) $\lim\limits_{x \to -2} f(x)$

   (j) $f(-2)$

2. **[2 pts]** Find each x where the graph is discontinuous. Then classify each one.