

(b) $\lim_{x\to 2} f(x)$ does not exist.

(f) $\lim_{x \to \infty} f(x)$ does not exist.

 $(\mathbf{d}) \lim_{x \to 1^{-}} f(x) = 2$

(a)
$$\lim_{x \to 0} f(x) = 1$$

(c)
$$\lim_{x\to 2} f(x) = 2$$

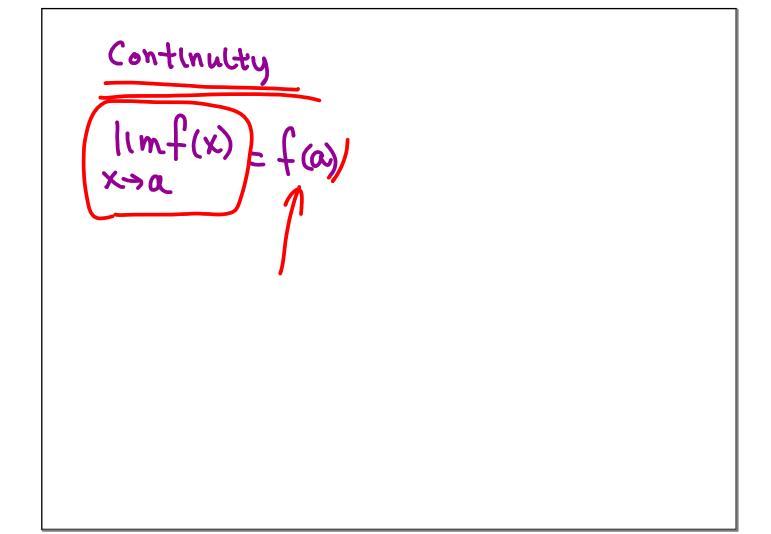
(e)
$$\lim_{x \to 1^+} f(x) = 1$$

(g)
$$\lim_{x\to 0^+} f(x) = \lim_{x\to 0^-} f(x)$$

(g)
$$\lim_{x\to 0^+} f(x) = \lim_{x\to 0^-} f(x)$$

(h)
$$\lim_{x\to c} f(x)$$
 exists at every c in $(-1,1)$. $-|\langle C \langle |$

(i) $\lim_{x\to c} f(x)$ exists at every c in (1,3).



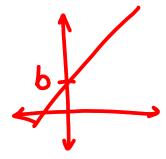
$$\lim_{x \to a} f(x) = L$$

$$\lim_{x \to a} f(x) = \lim_{x \to a} f(x) = L$$

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Basic sketch of various functions.

Inear



Quad.

