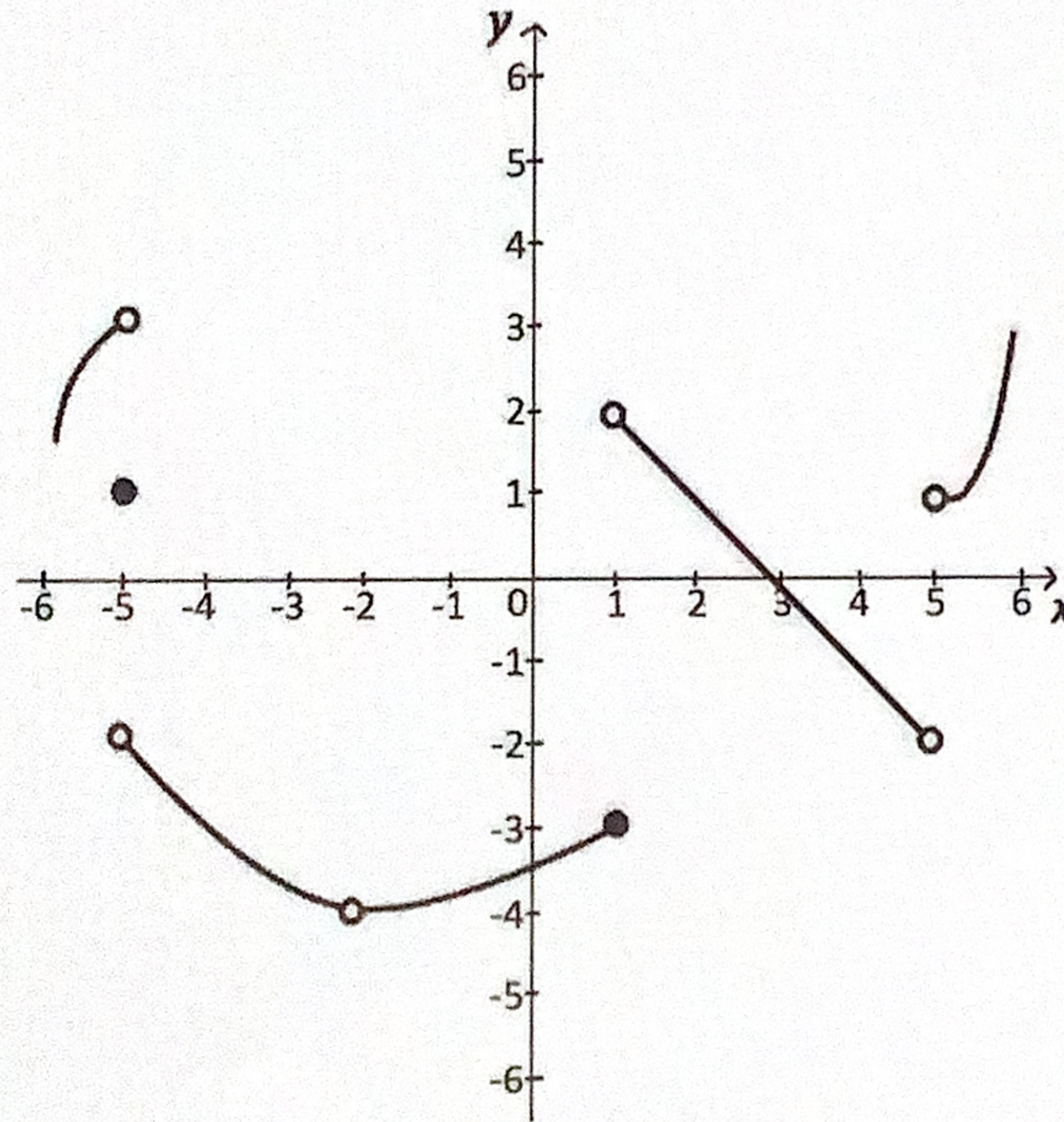


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LT2: I can find the limit of a function at a point using numerical, graphical, and algebraic methods.

1. Use the figure below, which gives a graph of the function $f(x)$, to give values for the indicated limits. If a limit does not exist, enter none or DNE.



** Revise*

(a) $\lim_{x \rightarrow 3} f(x)$

(a) 0

x (b) $\lim_{x \rightarrow 1^-} f(x)$

(b) 2

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

(c) -3

(d) $\lim_{x \rightarrow 1} f(x)$

(d) DNE

- (e) Give a value $x = a$ for which $f(a)$ does not exist but $\lim_{x \rightarrow a} f(x)$ exists.

(e) -2