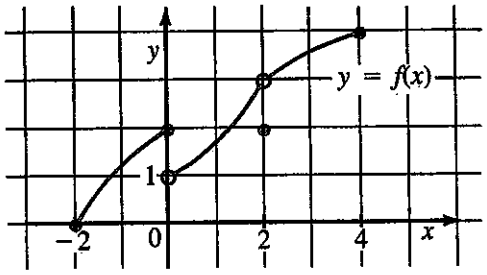
Calculus 12
2-5 Questions

1. Use the given graph of $f$ to state the value of the limit, if it exists.




a) $\lim_{x \to -2^+} f(x)$

b) $\lim_{x \to 0^-} f(x)$

c) $\lim_{x \to 0^+} f(x)$

d) $\lim_{x \to 0} f(x)$

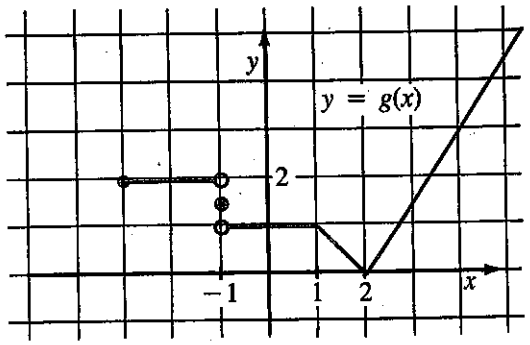
e) $\lim_{x \to 2^-} f(x)$

f) $\lim_{x \to 2^+} f(x)$

g) $\lim_{x \to 2} f(x)$

h) $\lim_{x \to 4^-} f(x)$

2. Use the given graph of $g$ to state the value of the limit, if it exists.



a) $\lim_{x \to -3^+} g(x)$

b) $\lim_{x \to -1^-} g(x)$

c) $\lim_{x \to -1^+} g(x)$

d) $\lim_{x \to -1} g(x)$

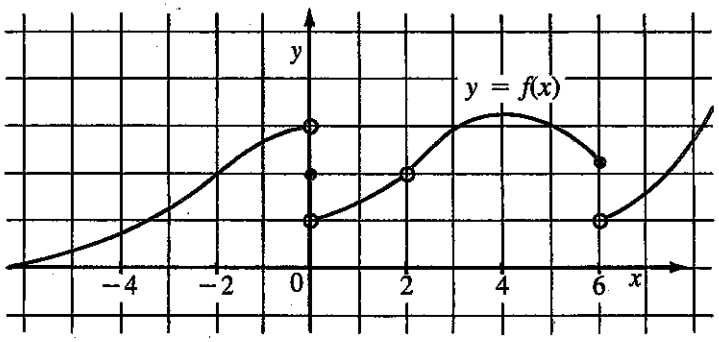
e) $\lim_{x \to 2^-} g(x)$

f) $\lim_{x \to 2^+} g(x)$

g) $\lim_{x \to 2} g(x)$

h) $\lim_{x \to 1} g(x)$

3. The graph of $f$ is given. State whether $f$ is continuous or discontinuous at teach of the following numbers.




a) -2

b) 0

c) 2

d) 4

e) 6