AP Calculus AB Test Booklet

Quiz 1.4 Name

1.	\boldsymbol{x}	1	1.9	1.99	1.999	1.9999	2.0001	2.001	2.01	2.1	3
	f(x)	-4	-1.399	-1.040	-1.004	-1.000	6.001	6.012	6.121	7.261	25

The table above gives values of the function f at selected values of x. Which of the following conclusions is supported by the data in the table?

$$\bigcap_{x\to 2} \lim_{x\to 2} f(x) = -1$$

2.	\boldsymbol{x}	5	5.9	5.99	5.999	6.001	6.01	6.1	7
	f(x)	2	20	200	2000	-2000	-200	-20	- 2

The table above gives values of a function f at selected values of x. Which of the following conclusions is supported by the data in the table?

$$\bigcap_{x\to 6}\, f(x)=0$$

$$\bigcirc \hspace{-0.5cm} \mathsf{B} \hspace{0.5cm} \lim_{x \to 6} f \hspace{0.5cm} (x) = 6$$

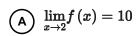
$$\bigcirc \lim_{x\to 6}f(x)=10$$

3.	$oldsymbol{x}$	1.9	1.99	1.999	1.9999	2.0001	2.001	2.01	2.1
	f(x)	9.80	9.85	9.90	9.95	9.95	9.90	9.85	9.80

The table above gives values of the function f at selected values of x. Which of the following conclusions is supported by the data in the table?

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Quiz 1.4



$$egin{aligned} & \lim_{x o 2} f\left(x
ight) = \infty \end{aligned}$$

$$\bigcap_{x o 10} \lim_{x o 10} f(x) = 2$$

$$igcup_{x o 10}f(x)=\infty$$