

X Math@MUT XXm6/1-6800501-00001XX
PiecewiseFunction Answers for No.9844

[illegible]

$$f(x) = \begin{bmatrix} -x + 2 & ; & x \leq 2 \\ 2x - 3 & ; & x > 2 \end{bmatrix}$$

$$f(-2) = 4, \quad f(-1) = 3, \quad f(0) = 2, \quad f(2) = 0, \quad f(3) = 3$$

Ans04

$$f(x) = \begin{bmatrix} -2x + 1 & ; & x < -2 \\ x - 1 & ; & -2 \leq x < 1 \\ 0 & ; & x \geq 1 \end{bmatrix}$$

$$f(-4)=9, \quad , f(-3)=7, \quad , f(-2)=-3, \quad , f(-1)=-2, \quad , f(1)=NA$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-6	2	2	2	2	Continuous
	-3	undefined	infinity	infinity	infinity	Discontinuous
	9	4	1	1	1	Discontinuous
	10	0	0	0	0	Continuous
	12	3	3	3	3	Continuous

[illegible]

Ans05	-2	0	2	2	2	Discontinuous
	1	4	1	1	1	Discontinuous
	2	4	2	4	DNE	Discontinuous
	5	2	2	2	2	Continuous
	11	1	1	1	1	Continuous

Ans05	-9	3	3	3	3	Continuous
	-8	undefined	2	2	2	Discontinuous
	-4	2	2	2	2	Continuous
	-2	0	2	2	2	Discontinuous
	5	2	2	2	2	Continuous

Ans05	-9	3	3	3	3	Continuous
	5	2	2	2	2	Continuous
	9	4	1	1	1	Discontinuous
	11	1	1	1	1	Continuous
	12	3	3	3	3	Continuous

Ans05	-10		1		2		2		2		Discontinuous	
	-9		3		3		3		3		Continuous	
	-7		2		2		2		2		Continuous	
	2		4		2		4		DNE		Discontinuous	
	3		5		3		3		3		Discontinuous	

Ans05	-8		undefined		2		2		2		Discontinuous	
	3		5		3		3		3		Discontinuous	
	7		5		3		3		3		Discontinuous	
	8		4		4		2		DNE		Discontinuous	
	11		1		1		1		1		Continuous	

Ans04

$$f(-4) = 6, \quad f(-2) = -5, \quad f(-1) = -4, \quad f(0) = -3, \quad f(3) = 0$$

$$f(-4) = -6, \quad f(-2) = -4, \quad f(-1) = 3, \quad f(1) = -1, \quad f(2) = -3$$
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Ans04

$$f(-3) = -5, \quad f(-1) = NA, \quad f(2) = -5, \quad f(3) = -6, \quad f(4) = -7$$

$$f(-3) = 1, \quad f(-2) = NA, \quad f(-1) = -4, \quad f(1) = NA, \quad f(4) = 0$$

Ans05	-12	1	2	2	2	Discontinuous
	-11	-2	1	1	1	Discontinuous
	-4	2	2	2	2	Continuous
	1	4	1	1	1	Discontinuous
	5	2	2	2	2	Continuous

Ans04

$$f(-4)=3, \quad , f(-2)=1, \quad , f(-1)=0, \quad , f(0)=-1, \quad , f(1)=NA$$

$$f(-4) = 6, \quad f(-3) = 5, \quad f(-2) = 4, \quad f(2) = 4, \quad f(3) = NA$$
[illegible]

Ans05	-11	-2	1	1	1	Discontinuous
	-6	2	2	2	2	Continuous
	-2	0	2	2	2	Discontinuous
	2	4	2	4	DNE	Discontinuous
	3	5	3	3	3	Discontinuous

Ans04

$$f(-1)=2, \quad , f(1)=4, \quad , f(2)=NA, \quad , f(3)=-9, \quad , f(4)=-11$$

$$f(-2) = -4, \quad f(-1) = -4, \quad f(2) = -1, \quad f(3) = -4, \quad f(4) = -6$$

Ans05	-9	3	3	3	3	Continuous
	-2	0	2	2	2	Discontinuous
	8	4	4	2	DNE	Discontinuous
	9	4	1	1	1	Discontinuous
	10	0	0	0	0	Continuous

$$f(-4) = 2, \quad f(-2) = -1, \quad f(2) = 7, \quad f(3) = 9, \quad f(4) = 11$$

$$f(-3) = 9, \quad , f(-2) = 9, \quad , f(1) = 9, \quad , f(2) = 1, \quad , f(3) = 2$$
[illegible]

X Math@MUT XXm6/1-6800501-00030XX
PiecewiseFunction Answers for No.13519

[illegible]

$$f(x) = \begin{bmatrix} 2x + 2 & ; & x \leq -2 \\ -2 - x & ; & x > -2 \end{bmatrix}$$

$$f(-4) = -6, \quad f(-3) = -4, \quad f(-2) = -2, \quad f(0) = -2, \quad f(3) = -5$$

Ans04

$$f(x) = \begin{bmatrix} -x+2 & ; & x \leq -2 \\ 2x+1 & ; & -2 < x \leq 1 \\ 3 & ; & x > 1 \end{bmatrix}$$

$$f(-3) = 5, \quad f(-2) = 4, \quad f(0) = 1, \quad f(1) = 3, \quad f(3) = 3$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-7	2	2	2	2	Continuous
	-6	2	2	2	2	Continuous
	-3	undefined	infinity	infinity	infinity	Discontinuous
	9	4	1	1	1	Discontinuous
	11	1	1	1	1	Continuous

[illegible]

$$f(-1) = NA, \quad f(0) = -1, \quad f(1) = -3, \quad f(2) = -5, \quad f(3) = -7$$

$$f(x) = \begin{bmatrix} x+2 & ; & x < -3 \\ -7 & ; & -3 \leq x \leq 2 \\ -2x-3 & ; & x > 2 \end{bmatrix}$$

$$f(-4) = -2, \quad f(-3) = -7, \quad f(-1) = -7, \quad f(2) = -7, \quad f(4) = -11$$

[illegible]