

[illegible]

[illegible]

$$f(x) = \begin{cases} -2-x & ; \quad x < -1 \\ 2x+2 & ; \quad x \geq -1 \end{cases}$$

$$f(-4) = 2, \quad , f(-2) = 0, \quad , f(-1) = 0, \quad , f(0) = 2, \quad , f(3) = 8$$

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

$$f(-3) = -4, \quad f(-2) = -3, \quad f(-1) = -3, \quad f(1) = -5, \quad f(3) = -9$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-7	2	2	2	2	Continuous
	-6	2	2	2	2	Continuous
	-4	2	2	2	2	Continuous
	3	5	3	3	3	Discontinuous
	8	4	4	2	DNE	Discontinuous

Ans04

$$f(-4) = 2, \quad , f(-2) = NA, \quad , f(1) = 4, \quad , f(2) = 6, \quad , f(4) = 10$$

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

[illegible]

X Math@MUT XX6/1-6400501-00010XX
PiecewiseFunction Answers for No.11738

[illegible]

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

$$f(-2) = -1, \quad f(-1) = NA, \quad f(2) = 6, \quad f(3) = 8, \quad f(4) = 10$$

Ans04

$$f(x) = \begin{bmatrix} x-1 & ; & x < -2 \\ -2x-2 & ; & -2 \leq x < 3 \\ -8 & ; & x \geq 3 \end{bmatrix}$$

$$f(-4) = -5, \quad f(-2) = 2, \quad f(1) = -4, \quad f(2) = -6, \quad f(3) = -8$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-11	-2	1	1	1	Discontinuous
	-10	1	2	2	2	Discontinuous
	-8	undefined	2	2	2	Discontinuous
	5	2	2	2	2	Continuous
	9	4	1	1	1	Discontinuous

[illegible]

Ans04

$$f(-4) = -7, \quad , f(-1) = NA, \quad , f(0) = 1, \quad , f(1) = 0, \quad , f(3) = -2$$

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

Ans04

$$f(-4) = 6, \quad , f(1) = 1, \quad , f(2) = 6, \quad , f(3) = 8, \quad , f(4) = 10$$

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

Ans04

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

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

Ans04

$$f(-4) = -6, \quad f(-3) = -5, \quad f(-1) = -3, \quad f(2) = 0, \quad f(3) = -9$$

$$f(-2) = -1, \quad f(-1) = 0, \quad f(0) = 2, \quad f(3) = NA, \quad f(4) = 8$$

Ans04

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

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

Ans05	-11	-2	1	1	1	Discontinuous
	-10	1	2	2	2	Discontinuous
	-9	3	3	3	3	Continuous
	-2	0	2	2	2	Discontinuous
	9	4	1	1	1	Discontinuous

$$f(x) = \begin{bmatrix} 2x+2 & ; & x < -3 \\ -2-x & ; & -3 \leq x \leq 2 \\ -4 & ; & x > 2 \end{bmatrix}$$

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

X Math@MUT XX6/1-6400501-00020XX
PiecewiseFunction Answers for No.12891

[illegible]

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

$$f(-4) = 9, \quad f(-2) = 5, \quad f(2) = 4, \quad f(3) = 5, \quad f(4) = 6$$

Ans04

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-11	-2	1	1	1	Discontinuous
	-9	3	3	3	3	Continuous
	-6	2	2	2	2	Continuous
	-5	undefined	1	1	1	Discontinuous
	5	2	2	2	2	Continuous

[illegible]

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

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

[illegible]

X Math@MUT XX6/1-6400501-00028XX
PiecewiseFunction Answers for No.646104

[illegible]

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

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

Ans04

$$f(x) = \begin{bmatrix} x+2 & ; & x < -3 \\ -2x+2 & ; & -3 \leq x < 1 \\ 0 & ; & x \geq 1 \end{bmatrix}$$

$$f(-4) = -2, \quad f(-3) = 8, \quad f(0) = 2, \quad f(1) = NA, \quad f(4) = 0$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-12	1	2	2	2	Discontinuous
	-11	-2	1	1	1	Discontinuous
	-5	undefined	1	1	1	Discontinuous
	7	5	3	3	3	Discontinuous
	10	0	0	0	0	Continuous

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[illegible]

Ans04

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

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

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

$$f(-4) = 1, \quad , f(-3) = 0, \quad , f(-2) = -1, \quad , f(-1) = -2, \quad , f(3) = 9$$

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-10	1	2	2	2	Discontinuous
	-4	2	2	2	2	Continuous
	2	4	2	4	DNE	Discontinuous
	3	5	3	3	3	Discontinuous
	11	1	1	1	1	Continuous

Ans04

$$f(-2) = -5, \quad f(-1) = -4, \quad f(0) = -1, \quad f(2) = -5, \quad f(3) = -7$$

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

Ans03

$$f(-4) = 2, \quad , f(-2) = 0, \quad , f(1) = NA, \quad , f(2) = 7, \quad , f(4) = 11$$

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-10	1	2	2	2	Discontinuous
	-6	2	2	2	2	Continuous
	1	4	1	1	1	Discontinuous
	2	4	2	4	DNE	Discontinuous
	7	5	3	3	3	Discontinuous

$$f(x) = \begin{cases} -2x + 3 & ; \quad x < -2 \\ x + 2 & ; \quad x \geq -2 \end{cases}$$

$$f(-4) = 11, \quad f(-2) = 0, \quad f(1) = 3, \quad f(2) = 4, \quad f(4) = 6$$

$$f(x) = \begin{bmatrix} 2x+3 & ; & x < -3 \\ -5 & ; & -3 \leq x \leq 3 \\ -2-x & ; & x > 3 \end{bmatrix}$$

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-10	1	2	2	2	Discontinuous
	-9	3	3	3	3	Continuous
	2	4	2	4	DNE	Discontinuous
	7	5	3	3	3	Discontinuous
	12	3	3	3	3	Continuous

Ans04

$$f(-2) = -1, \quad f(0) = -3, \quad f(2) = -5, \quad f(3) = -6, \quad f(4) = -7$$

$$f(-4) = 9, \quad , f(-1) = 3, \quad , f(0) = 3, \quad , f(1) = 4, \quad , f(2) = 5$$

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

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

$$f(-4) = 6, \quad , f(-3) = 5, \quad , f(-1) = 1, \quad , f(0) = 3, \quad , f(2) = 7$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-9	3	3	3	3	Continuous
	3	5	3	3	3	Discontinuous
	5	2	2	2	2	Continuous
	7	5	3	3	3	Discontinuous
	9	4	1	1	1	Discontinuous

[illegible]

Ans04

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

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

Ans04

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

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

Ans04

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

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

Ans04

$$f(-4) = 6, \quad , f(-2) = NA, \quad , f(-1) = 0, \quad , f(0) = 2, \quad , f(3) = 8$$

$$f(-4) = 11, \quad f(-3) = 9, \quad f(-2) = 5, \quad f(-1) = 5, \quad f(2) = NA$$

[illegible]

X Math@MUT XX6/1-6400501-00049XX
PiecewiseFunction Answers for No.646125

[illegible]

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

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

Ans04

$$f(x) = \begin{bmatrix} -5 & ; & x < -3 \\ x - 2 & ; & -3 < x \leq 2 \\ -2x + 1 & ; & x > 2 \end{bmatrix}$$

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-12	1	2	2	2	Discontinuous
	-9	3	3	3	3	Continuous
	-5	undefined	1	1	1	Discontinuous
	-4	2	2	2	2	Continuous
	8	4	4	2	DNE	Discontinuous

[illegible]

X Math@MUT XX6/1-6400501-00050XX
PiecewiseFunction Answers for No.646126

[illegible]

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

$$f(-3) = -7, \quad f(-2) = 4, \quad f(-1) = 3, \quad f(2) = 0, \quad f(3) = -1$$

Ans04

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

$$f(-2) = -7, \quad f(-1) = -5, \quad f(0) = -1, \quad f(3) = -1, \quad f(4) = -2$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-11	-2	1	1	1	Discontinuous
	-5	undefined	1	1	1	Discontinuous
	-3	undefined	infinity	infinity	infinity	Discontinuous
	7	5	3	3	3	Discontinuous
	9	4	1	1	1	Discontinuous

[illegible]

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Ans04

$$f(-2) = -3, \quad f(1) = 0, \quad f(2) = 1, \quad f(3) = -7, \quad f(4) = -9$$

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

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