X Limit XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6300201-00001XX

PiecewiseFunction Answers for No.8765

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	9	8	7	6	5	4	3	2	1	0	5	7	9	11	13	15	17	19	21	23	25
Ans02 :	f(x)	3	3	3	3	3	3	3	3	NA	1	-1	NA	6	7	8	9	10	11	12	13	14

Ans03

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

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

Ans04

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-12	1	2	2	2	Discontinuous
	-11	-2	1	1	1	Discontinuous
	2	4	2	4	DNE	Discontinuous
	3	5	3	3	3	Discontinuous
	7	5	3	3	3	Discontinuous

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PiecewiseFunction Answers for No.8767

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	19	17	15	13	11	9	7	5	3	1	-1	-3	-5	-7	0	1	2	3	4	5	6
Ans02 :	f(x)	-8	-7	-6	-5	-4	-3	-2	3	1	-1	-3	-5	-7	-7	-7	-7	-7	-7	-7	-7	-7

Ans03

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

$$f(-1) = 3, \quad , f(1) = NA, \quad , f(2) = 5, \quad , f(3) = 7, \quad , f(4) = 9$$

Ans04

$$f(x) = \begin{bmatrix} 7 & ; & x <= -3 \\ -2x + 1 & ; & -3 < x < 2 \\ x - 1 & ; & x >= 2 \end{bmatrix}$$

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

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

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PiecewiseFunction Answers for No.8768

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	-15	-13	-11	-9	-7	-5	-3	-1	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8
Ans02 :	f(x)	5	5	5	5	5	5	5	5	5	5	3	1	-1	0	1	2	3	4	5	6	7

Ans03

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

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

Ans04

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-7	2	2	2	2	Continuous
	-5	undefined	1	1	1	Discontinuous
	-2	0	2	2	2	Discontinuous
	2	4	2	4	DNE	Discontinuous
	10	0	0	0	0	Continuous

PiecewiseFunction Answers for No.8779

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	7	6	5	4	3	2	1	0	-1	-2	-3	-4	8	10	12	14	16	18	20	22	24
Ans02 :	f(x)	17	15	13	11	9	7	5	3	1	NA	-4	-4	-3	-2	-1	0	1	2	3	4	5

Ans03

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

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

Ans04

$$f(x) = \begin{bmatrix} -2-x & ; & x < -2 \\ 2x+2 & ; & -2 < x < 3 \\ 8 & ; & x >= 3 \end{bmatrix}$$

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-7	2	2	2	2	Continuous
	-2	0	2	2	2	Discontinuous
	1	4	1	1	1	Discontinuous
	9	4	1	1	1	Discontinuous
	10	0	0	0	0	Continuous

PiecewiseFunction Answers for No.9404

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	-17	-15	-13	-11	-9	-7	-5	-3	-1	1	3	5	7	9	-6	-7	-8	-9	-10	-11	-12
Ans02 :	f(x)	23	21	19	17	15	13	11	9	-6	-5	-4	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2

Ans03

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

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

Ans04

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-12	1	2	2	2	Discontinuous
	-10	1	2	2	2	Discontinuous
	-8	undefined	2	2	2	Discontinuous
	-7	2	2	2	2	Continuous
	-5	undefined	1	1	1	Discontinuous

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PiecewiseFunction Answers for No.9440

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	-19	-17	-15	-13	-11	-9	-7	-5	-3	-1	1	3	5	-6	-7	-8	-9	-10	-11	-12	-13
Ans02 :	f(x)	9	8	7	6	5	4	3	2	1	7	7	7	9	11	13	15	17	19	21	23	25

Ans03

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

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

Ans04

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

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

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

PiecewiseFunction Answers for No.9474

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	15	14	13	12	11	10	9	8	0	2	4	6	8	10	12	14	16	18	20	22	24
Ans02 :	f(x)	21	19	17	15	13	11	9	-8	-7	-6	-5	-4	-3	NA	-2	-2	-2	-2	-2	-2	-2

Ans03

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

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

Ans04

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

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

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

PiecewiseFunction Answers for No.9607

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	23	21	19	17	15	13	11	9	7	5	-1	0	1	2	3	4	5	6	7	8	9
Ans02 :	f(x)	19	17	15	13	11	9	7	5	3	-3	-2	-1	0	0	0	0	0	0	0	0	0

Ans03

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

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

Ans04

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

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

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

PiecewiseFunction Answers for No.9965

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	19	17	15	13	11	9	7	5	3	1	-1	-3	-5	2	3	4	5	6	7	8	9
Ans02 :	f(x)	-8	-7	-6	-5	-4	-3	-2	-1	0	1	-4	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6

Ans03

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

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

Ans04

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

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

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-5	undefined	1	1	1	Discontinuous
	1	4	1	1	1	Discontinuous
	3	5	3	3	3	Discontinuous
	5	2	2	2	2	Continuous
	10	0	0	0	0	Continuous

PiecewiseFunction Answers for No.10186

	x	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Ans01 :	f(x)	-22	-20	-18	-16	-14	-12	-10	-8	-6	-4	-2	0	-4	-5	-6	-7	-8	-9	-10	-11	-12
Ans02 :	f(x)	5	4	3	2	1	0	-1	NA	-7	-5	-3	-1	1	3	3	3	3	3	3	3	3

Ans03

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

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

Ans04

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

$$f(-4) = -1, \quad , f(-3) = -1, \quad , f(-2) = 0, \quad , f(2) = 4, \quad , f(4) = -10$$

	a	f(a)	LH-Limit	RH-Limit	Limit	Continuity
Ans05	-12	1	2	2	2	Discontinuous
	-2	0	2	2	2	Discontinuous
	5	2	2	2	2	Continuous
	9	4	1	1	1	Discontinuous
	10	0	0	0	0	Continuous

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