



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	6	7	9
	y	0	-18	-21	-27
Set B	x	0	2	4	9
	y	0	18	36	81

1. _____

2. _____

3. _____

2)

Set A	x	0	2	6	10
	y	0	5	15	25
Set B	x	0	3	4	7
	y	0	19.5	26	45.5

4. _____

5. _____

6. _____

3)

Set A	x	0	4	5	6
	y	0	18	22.5	27
Set B	x	0	2	5	9
	y	0	18	45	81

4)

Set A	x	0	4	5	8
	y	0	20	25	40
Set B	x	0	2	3	4
	y	0	13	19.5	26

5)

Set A	x	0	2	3	8
	y	0	15	22.5	60
Set B	x	0	4	7	9
	y	0	36	63	81

6)

Set A	x	0	2	3	9
	y	0	13	19.5	58.5
Set B	x	0	5	7	9
	y	0	50	70	90



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	6	7	9	$y = -3x$
	y	0	-18	-21	-27	
Set B	x	0	2	4	9	$y = 9x$
	y	0	18	36	81	

1. 12

2)

Set A	x	0	2	6	10	$y = 2.5x$
	y	0	5	15	25	
Set B	x	0	3	4	7	$y = 6.5x$
	y	0	19.5	26	45.5	

2. 43. 4.54. 1.55. 1.56. 3.5

3)

Set A	x	0	4	5	6	$y = 4.5x$
	y	0	18	22.5	27	
Set B	x	0	2	5	9	$y = 9x$
	y	0	18	45	81	

4)

Set A	x	0	4	5	8	$y = 5x$
	y	0	20	25	40	
Set B	x	0	2	3	4	$y = 6.5x$
	y	0	13	19.5	26	

5)

Set A	x	0	2	3	8	$y = 7.5x$
	y	0	15	22.5	60	
Set B	x	0	4	7	9	$y = 9x$
	y	0	36	63	81	

6)

Set A	x	0	2	3	9	$y = 6.5x$
	y	0	13	19.5	58.5	
Set B	x	0	5	7	9	$y = 10x$
	y	0	50	70	90	



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	3	5
	y	0	-10	-15	-25
Set B	x	0	2	4	7
	y	0	-21	-42	-73.5

1. _____

2. _____

3. _____

2)

Set A	x	0	2	7	10
	y	0	-9	-31.5	-45
Set B	x	0	3	4	9
	y	0	16.5	22	49.5

4. _____

5. _____

6. _____

3)

Set A	x	0	5	6	10
	y	0	-10	-12	-20
Set B	x	0	4	5	9
	y	0	34	42.5	76.5

4)

Set A	x	0	4	5	7
	y	0	12	15	21
Set B	x	0	6	7	8
	y	0	54	63	72

5)

Set A	x	0	3	5	6
	y	0	7.5	12.5	15
Set B	x	0	3	5	9
	y	0	22.5	37.5	67.5

6)

Set A	x	0	7	8	10
	y	0	28	32	40
Set B	x	0	6	8	9
	y	0	39	52	58.5



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	3	5
	y	0	-10	-15	-25

 $y = -5x$

Set B	x	0	2	4	7
	y	0	-21	-42	-73.5

 $y = -10.5x$ 1. **5.5**2. **10**3. **10.5**

2)

Set A	x	0	2	7	10
	y	0	-9	-31.5	-45

 $y = -4.5x$

Set B	x	0	3	4	9
	y	0	16.5	22	49.5

 $y = 5.5x$ 4. **6**5. **5**6. **2.5**

3)

Set A	x	0	5	6	10
	y	0	-10	-12	-20

 $y = -2x$

Set B	x	0	4	5	9
	y	0	34	42.5	76.5

 $y = 8.5x$

4)

Set A	x	0	4	5	7
	y	0	12	15	21

 $y = 3x$

Set B	x	0	6	7	8
	y	0	54	63	72

 $y = 9x$

5)

Set A	x	0	3	5	6
	y	0	7.5	12.5	15

 $y = 2.5x$

Set B	x	0	3	5	9
	y	0	22.5	37.5	67.5

 $y = 7.5x$

6)

Set A	x	0	7	8	10
	y	0	28	32	40

 $y = 4x$

Set B	x	0	6	8	9
	y	0	39	52	58.5

 $y = 6.5x$



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	3	7
	y	0	12	18	42
Set B	x	0	2	6	10
	y	0	20	60	100

1. _____

2. _____

3. _____

2)

Set A	x	0	2	4	8
	y	0	-7	-14	-28
Set B	x	0	3	7	8
	y	0	-22.5	-52.5	-60

4. _____

5. _____

6. _____

3)

Set A	x	0	3	7	8
	y	0	9	21	24
Set B	x	0	2	3	4
	y	0	20	30	40

4)

Set A	x	0	7	9	10
	y	0	-21	-27	-30
Set B	x	0	8	9	10
	y	0	64	72	80

5)

Set A	x	0	2	3	4
	y	0	6	9	12
Set B	x	0	7	8	9
	y	0	-52.5	-60	-67.5

6)

Set A	x	0	3	6	8
	y	0	15	30	40
Set B	x	0	2	3	7
	y	0	19	28.5	66.5



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	3	7
	y	0	12	18	42
$y=6x$					
Set B	x	0	2	6	10
	y	0	20	60	100
$y=10x$					

1. 42. 43. 7

2)

Set A	x	0	2	4	8
	y	0	-7	-14	-28
$y=-3.5x$					
Set B	x	0	3	7	8
	y	0	-22.5	-52.5	-60
$y=-7.5x$					

4. 115. 10.56. 4.5

3)

Set A	x	0	3	7	8
	y	0	9	21	24
$y=3x$					
Set B	x	0	2	3	4
	y	0	20	30	40
$y=10x$					

4)

Set A	x	0	7	9	10
	y	0	-21	-27	-30
$y=-3x$					
Set B	x	0	8	9	10
	y	0	64	72	80
$y=8x$					

5)

Set A	x	0	2	3	4
	y	0	6	9	12
$y=3x$					
Set B	x	0	7	8	9
	y	0	-52.5	-60	-67.5
$y=-7.5x$					

6)

Set A	x	0	3	6	8
	y	0	15	30	40
$y=5x$					
Set B	x	0	2	3	7
	y	0	19	28.5	66.5
$y=9.5x$					



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	3	4	10
	y	0	10.5	14	35
Set B	x	0	4	6	7
	y	0	36	54	63

1. _____

2. _____

3. _____

2)

Set A	x	0	2	6	9
	y	0	8	24	36
Set B	x	0	3	5	6
	y	0	15	25	30

4. _____

5. _____

6. _____

3)

Set A	x	0	4	7	8
	y	0	20	35	40
Set B	x	0	5	7	10
	y	0	40	56	80

4)

Set A	x	0	3	8	9
	y	0	6	16	18
Set B	x	0	2	3	5
	y	0	21	31.5	52.5

5)

Set A	x	0	4	6	7
	y	0	-20	-30	-35
Set B	x	0	3	4	9
	y	0	18	24	54

6)

Set A	x	0	3	8	10
	y	0	16.5	44	55
Set B	x	0	2	7	9
	y	0	18	63	81



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	3	4	10
	y	0	10.5	14	35

 $y=3.5x$

Set B	x	0	4	6	7
	y	0	36	54	63

 $y=9x$
1. 5.5

2)

Set A	x	0	2	6	9
	y	0	8	24	36

 $y=4x$

Set B	x	0	3	5	6
	y	0	15	25	30

 $y=5x$
2. 13. 34. 8.55. 116. 3.5

3)

Set A	x	0	4	7	8
	y	0	20	35	40

 $y=5x$

Set B	x	0	5	7	10
	y	0	40	56	80

 $y=8x$

4)

Set A	x	0	3	8	9
	y	0	6	16	18

 $y=2x$

Set B	x	0	2	3	5
	y	0	21	31.5	52.5

 $y=10.5x$

5)

Set A	x	0	4	6	7
	y	0	-20	-30	-35

 $y=-5x$

Set B	x	0	3	4	9
	y	0	18	24	54

 $y=6x$

6)

Set A	x	0	3	8	10
	y	0	16.5	44	55

 $y=5.5x$

Set B	x	0	2	7	9
	y	0	18	63	81

 $y=9x$



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	6	8
	y	0	14	42	56
Set B	x	0	2	4	7
	y	0	21	42	73.5

1. _____

2. _____

3. _____

2)

Set A	x	0	3	5	6
	y	0	-13.5	-22.5	-27
Set B	x	0	4	5	9
	y	0	30	37.5	67.5

4. _____

5. _____

6. _____

3)

Set A	x	0	3	6	10
	y	0	19.5	39	65
Set B	x	0	3	4	8
	y	0	-30	-40	-80

4)

Set A	x	0	2	9	10
	y	0	5	22.5	25
Set B	x	0	2	3	10
	y	0	17	25.5	85

5)

Set A	x	0	2	7	10
	y	0	6	21	30
Set B	x	0	4	5	10
	y	0	24	30	60

6)

Set A	x	0	3	7	10
	y	0	7.5	17.5	25
Set B	x	0	3	4	10
	y	0	-19.5	-26	-65



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	6	8
	y	0	14	42	56
$y=7x$					
Set B	x	0	2	4	7
	y	0	21	42	73.5
$y=10.5x$					

1. **3.5**

2)

Set A	x	0	3	5	6
	y	0	-13.5	-22.5	-27
$y=-4.5x$					
Set B	x	0	4	5	9
	y	0	30	37.5	67.5
$y=7.5x$					

2. **12**3. **16.5**4. **6**5. **3**6. **9**

3)

Set A	x	0	3	6	10
	y	0	19.5	39	65
$y=6.5x$					
Set B	x	0	3	4	8
	y	0	-30	-40	-80
$y=-10x$					

4)

Set A	x	0	2	9	10
	y	0	5	22.5	25
$y=2.5x$					
Set B	x	0	2	3	10
	y	0	17	25.5	85
$y=8.5x$					

5)

Set A	x	0	2	7	10
	y	0	6	21	30
$y=3x$					
Set B	x	0	4	5	10
	y	0	24	30	60
$y=6x$					

6)

Set A	x	0	3	7	10
	y	0	7.5	17.5	25
$y=2.5x$					
Set B	x	0	3	4	10
	y	0	-19.5	-26	-65
$y=-6.5x$					



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	4	5	10
	y	0	26	32.5	65
Set B	x	0	2	5	8
	y	0	14	35	56

1. _____

2. _____

3. _____

2)

Set A	x	0	5	8	10
	y	0	35	56	70
Set B	x	0	6	9	10
	y	0	60	90	100

4. _____

5. _____

6. _____

3)

Set A	x	0	2	6	9
	y	0	4	12	18
Set B	x	0	3	4	9
	y	0	25.5	34	76.5

4)

Set A	x	0	5	7	9
	y	0	10	14	18
Set B	x	0	3	4	10
	y	0	-12	-16	-40

5)

Set A	x	0	4	8	10
	y	0	16	32	40
Set B	x	0	5	7	9
	y	0	42.5	59.5	76.5

6)

Set A	x	0	4	7	9
	y	0	-10	-17.5	-22.5
Set B	x	0	2	3	7
	y	0	7	10.5	24.5



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	4	5	10
	y	0	26	32.5	65

 $y=6.5x$

Set B	x	0	2	5	8
	y	0	14	35	56

 $y=7x$
1. 0.5

2)

Set A	x	0	5	8	10
	y	0	35	56	70

 $y=7x$

Set B	x	0	6	9	10
	y	0	60	90	100

 $y=10x$
2. 33. 6.54. 65. 4.56. 6

3)

Set A	x	0	2	6	9
	y	0	4	12	18

 $y=2x$

Set B	x	0	3	4	9
	y	0	25.5	34	76.5

 $y=8.5x$

4)

Set A	x	0	5	7	9
	y	0	10	14	18

 $y=2x$

Set B	x	0	3	4	10
	y	0	-12	-16	-40

 $y=-4x$

5)

Set A	x	0	4	8	10
	y	0	16	32	40

 $y=4x$

Set B	x	0	5	7	9
	y	0	42.5	59.5	76.5

 $y=8.5x$

6)

Set A	x	0	4	7	9
	y	0	-10	-17.5	-22.5

 $y=-2.5x$

Set B	x	0	2	3	7
	y	0	7	10.5	24.5

 $y=3.5x$



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	8	10
	y	0	13	52	65
Set B	x	0	3	8	9
	y	0	25.5	68	76.5

1. _____

2. _____

3. _____

2)

Set A	x	0	3	5	10
	y	0	-19.5	-32.5	-65
Set B	x	0	2	5	6
	y	0	16	40	48

4. _____

5. _____

6. _____

3)

Set A	x	0	7	9	10
	y	0	14	18	20
Set B	x	0	2	5	8
	y	0	10	25	40

4)

Set A	x	0	2	6	7
	y	0	17	51	59.5
Set B	x	0	4	6	9
	y	0	42	63	94.5

5)

Set A	x	0	3	5	10
	y	0	6	10	20
Set B	x	0	4	7	10
	y	0	-34	-59.5	-85

6)

Set A	x	0	5	6	10
	y	0	47.5	57	95
Set B	x	0	3	7	10
	y	0	31.5	73.5	105



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	8	10
	y	0	13	52	65
$y=6.5x$					
Set B	x	0	3	8	9
	y	0	25.5	68	76.5
$y=8.5x$					

1. 2

2)

Set A	x	0	3	5	10
	y	0	-19.5	-32.5	-65
$y=-6.5x$					
Set B	x	0	2	5	6
	y	0	16	40	48
$y=8x$					

2. 14.53. 34. 25. 10.56. 1

3)

Set A	x	0	7	9	10
	y	0	14	18	20
$y=2x$					
Set B	x	0	2	5	8
	y	0	10	25	40
$y=5x$					

4)

Set A	x	0	2	6	7
	y	0	17	51	59.5
$y=8.5x$					
Set B	x	0	4	6	9
	y	0	42	63	94.5
$y=10.5x$					

5)

Set A	x	0	3	5	10
	y	0	6	10	20
$y=2x$					
Set B	x	0	4	7	10
	y	0	-34	-59.5	-85
$y=-8.5x$					

6)

Set A	x	0	5	6	10
	y	0	47.5	57	95
$y=9.5x$					
Set B	x	0	3	7	10
	y	0	31.5	73.5	105
$y=10.5x$					



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	4	8
	y	0	14	28	56
Set B	x	0	2	5	10
	y	0	21	52.5	105

1. _____

2. _____

3. _____

2)

Set A	x	0	2	3	9
	y	0	6	9	27
Set B	x	0	2	5	9
	y	0	8	20	36

4. _____

5. _____

6. _____

3)

Set A	x	0	3	4	7
	y	0	9	12	21
Set B	x	0	3	5	6
	y	0	21	35	42

4)

Set A	x	0	6	8	9
	y	0	36	48	54
Set B	x	0	6	7	8
	y	0	42	49	56

5)

Set A	x	0	6	7	10
	y	0	24	28	40
Set B	x	0	5	7	8
	y	0	35	49	56

6)

Set A	x	0	2	4	9
	y	0	-8	-16	-36
Set B	x	0	5	7	10
	y	0	-45	-63	-90



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	4	8
	y	0	14	28	56

 $y=7x$

Set B	x	0	2	5	10
	y	0	21	52.5	105

 $y=10.5x$
1. 3.5

2)

Set A	x	0	2	3	9
	y	0	6	9	27

 $y=3x$

Set B	x	0	2	5	9
	y	0	8	20	36

 $y=4x$
2. 13. 44. 15. 36. 5

3)

Set A	x	0	3	4	7
	y	0	9	12	21

 $y=3x$

Set B	x	0	3	5	6
	y	0	21	35	42

 $y=7x$

4)

Set A	x	0	6	8	9
	y	0	36	48	54

 $y=6x$

Set B	x	0	6	7	8
	y	0	42	49	56

 $y=7x$

5)

Set A	x	0	6	7	10
	y	0	24	28	40

 $y=4x$

Set B	x	0	5	7	8
	y	0	35	49	56

 $y=7x$

6)

Set A	x	0	2	4	9
	y	0	-8	-16	-36

 $y=-4x$

Set B	x	0	5	7	10
	y	0	-45	-63	-90

 $y=-9x$



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	4	8
	y	0	5	10	20
Set B	x	0	5	9	10
	y	0	40	72	80

1. _____

2. _____

3. _____

2)

Set A	x	0	5	7	8
	y	0	30	42	48
Set B	x	0	2	3	9
	y	0	-19	-28.5	-85.5

4. _____

5. _____

6. _____

3)

Set A	x	0	2	3	4
	y	0	6	9	12
Set B	x	0	3	5	6
	y	0	21	35	42

4)

Set A	x	0	2	4	8
	y	0	5	10	20
Set B	x	0	3	8	10
	y	0	28.5	76	95

5)

Set A	x	0	3	8	9
	y	0	10.5	28	31.5
Set B	x	0	2	4	10
	y	0	8	16	40

6)

Set A	x	0	3	9	10
	y	0	-25.5	-76.5	-85
Set B	x	0	6	8	10
	y	0	63	84	105



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	2	4	8
	y	0	5	10	20

 $y=2.5x$

Set B	x	0	5	9	10
	y	0	40	72	80

 $y=8x$ 1. 5.52. 15.53. 4

2)

Set A	x	0	5	7	8
	y	0	30	42	48

 $y=6x$

Set B	x	0	2	3	9
	y	0	-19	-28.5	-85.5

 $y=-9.5x$ 4. 75. 0.56. 19

3)

Set A	x	0	2	3	4
	y	0	6	9	12

 $y=3x$

Set B	x	0	3	5	6
	y	0	21	35	42

 $y=7x$

4)

Set A	x	0	2	4	8
	y	0	5	10	20

 $y=2.5x$

Set B	x	0	3	8	10
	y	0	28.5	76	95

 $y=9.5x$

5)

Set A	x	0	3	8	9
	y	0	10.5	28	31.5

 $y=3.5x$

Set B	x	0	2	4	10
	y	0	8	16	40

 $y=4x$

6)

Set A	x	0	3	9	10
	y	0	-25.5	-76.5	-85

 $y=-8.5x$

Set B	x	0	6	8	10
	y	0	63	84	105

 $y=10.5x$



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	3	4	9
	y	0	27	36	81
Set B	x	0	5	7	10
	y	0	52.5	73.5	105

1. _____

2. _____

3. _____

2)

Set A	x	0	3	7	10
	y	0	-16.5	-38.5	-55
Set B	x	0	5	6	7
	y	0	47.5	57	66.5

4. _____

5. _____

6. _____

3)

Set A	x	0	2	5	10
	y	0	5	12.5	25
Set B	x	0	5	6	7
	y	0	25	30	35

4)

Set A	x	0	2	4	5
	y	0	8	16	20
Set B	x	0	2	4	6
	y	0	17	34	51

5)

Set A	x	0	6	8	10
	y	0	57	76	95
Set B	x	0	5	6	8
	y	0	-50	-60	-80

6)

Set A	x	0	2	4	5
	y	0	4	8	10
Set B	x	0	8	9	10
	y	0	24	27	30



Calculate the difference in Rate of Change between Set A and Set B.

Answers

1)

Set A	x	0	3	4	9
	y	0	27	36	81
Set B	x	0	5	7	10
	y	0	52.5	73.5	105

$y=9x$
 $y=10.5x$

1. 1.52. 153. 2.5

2)

Set A	x	0	3	7	10
	y	0	-16.5	-38.5	-55
Set B	x	0	5	6	7
	y	0	47.5	57	66.5

$y=-5.5x$
 $y=9.5x$

4. 4.55. 19.56. 1

3)

Set A	x	0	2	5	10
	y	0	5	12.5	25
Set B	x	0	5	6	7
	y	0	25	30	35

$y=2.5x$
 $y=5x$

4)

Set A	x	0	2	4	5
	y	0	8	16	20
Set B	x	0	2	4	6
	y	0	17	34	51

$y=4x$
 $y=8.5x$

5)

Set A	x	0	6	8	10
	y	0	57	76	95
Set B	x	0	5	6	8
	y	0	-50	-60	-80

$y=9.5x$
 $y=-10x$

6)

Set A	x	0	2	4	5
	y	0	4	8	10
Set B	x	0	8	9	10
	y	0	24	27	30

$y=2x$
 $y=3x$