Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=-3x

y=9x

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

y=2.5x

y=6.5x

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

y=4.5x

y=9x

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

y=5x

y=6.5x

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

y=7.5x

y=9x

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

y=6.5x

y=10x

Answers

1. **12**
2. **4**
3. **4.5**
4. **1.5**
5. **1.5**
6. **3.5**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=-5x

y=-10.5x

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

y=-4.5x

y=5.5x

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

y=-2x

y=8.5x

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

y=3x

y=9x

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

y=2.5x

y=7.5x

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

y=4x

y=6.5x

Answers

1. **5.5**
2. **10**
3. **10.5**
4. **6**
5. **5**
6. **2.5**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name: **Answer Key**

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

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

y=6x

y=10x

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

y=-3.5x

y=-7.5x

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

y=3x

y=10x

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

y=-3x

y=8x

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

y=3x

y=-7.5x

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

y=5x

y=9.5x

Answers

1. **4**
2. **4**
3. **7**
4. **11**
5. **10.5**
6. **4.5**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=3.5x

y=9x

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

y=4x

y=5x

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

y=5x

y=8x

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

y=2x

y=10.5x

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

y=-5x

y=6x

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

y=5.5x

y=9x

Answers

1. **5.5**
2. **1**
3. **3**
4. **8.5**
5. **11**
6. **3.5**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=7x

y=10.5x

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

y=-4.5x

y=7.5x

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

y=6.5x

y=-10x

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

y=2.5x

y=8.5x

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

y=3x

y=6x

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

y=2.5x

y=-6.5x

Answers

1. **3.5**
2. **12**
3. **16.5**
4. **6**
5. **3**
6. **9**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=6.5x

y=7x

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

y=7x

y=10x

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

y=2x

y=8.5x

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

y=2x

y=-4x

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

y=4x

y=8.5x

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

y=-2.5x

y=3.5x

Answers

1. **0.5**
2. **3**
3. **6.5**
4. **6**
5. **4.5**
6. **6**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=6.5x

y=8.5x

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

y=-6.5x

y=8x

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

y=2x

y=5x

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

y=8.5x

y=10.5x

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

y=2x

y=-8.5x

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

y=9.5x

y=10.5x

Answers

1. **2**
2. **14.5**
3. **3**
4. **2**
5. **10.5**
6. **1**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=7x

y=10.5x

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

y=3x

y=4x

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

y=3x

y=7x

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

y=6x

y=7x

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

y=4x

y=7x

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

y=-4x

y=-9x

Answers

1. **3.5**
2. **1**
3. **4**
4. **1**
5. **3**
6. **5**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets Name: **Answer Key**

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

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

y=2.5x

y=8x

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

y=6x

y=-9.5x

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

y=3x

y=7x

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

y=2.5x

y=9.5x

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

y=3.5x

y=4x

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

y=-8.5x

y=10.5x

Answers

1. **5.5**
2. **15.5**
3. **4**
4. **7**
5. **0.5**
6. **19**

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name:

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Identifying Rate of Change Between Two Sets

Name: **Answer Key**

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

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

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

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

Answers

1. **1.5**
2. **15**
3. **2.5**
4. **4.5**
5. **19.5**
6. **1**

1-6	83	67	50	33	17	0