



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

**Answers**

1)

|       |   |   |    |    |    |
|-------|---|---|----|----|----|
| Set A | x | 0 | 2  | 6  | 10 |
|       | y | 0 | 13 | 39 | 65 |
| Set B | x | 0 | 5  | 8  | 10 |
|       | y | 0 | 45 | 72 | 90 |

2)

|       |   |   |     |      |     |
|-------|---|---|-----|------|-----|
| Set A | x | 0 | 2   | 3    | 4   |
|       | y | 0 | 15  | 22.5 | 30  |
| Set B | x | 0 | 4   | 6    | 8   |
|       | y | 0 | -40 | -60  | -80 |

3)

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set A | x | 0 | 5   | 6   | 7   |
|       | y | 0 | -30 | -36 | -42 |
| Set B | x | 0 | 3   | 4   | 7   |
|       | y | 0 | -21 | -28 | -49 |

4)

|       |   |   |      |       |       |
|-------|---|---|------|-------|-------|
| Set A | x | 0 | 5    | 7     | 10    |
|       | y | 0 | 37.5 | 52.5  | 75    |
| Set B | x | 0 | 4    | 7     | 9     |
|       | y | 0 | -42  | -73.5 | -94.5 |

5)

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set A | x | 0 | 5   | 9   | 10  |
|       | y | 0 | 15  | 27  | 30  |
| Set B | x | 0 | 4   | 6   | 10  |
|       | y | 0 | -16 | -24 | -40 |

6)

|       |   |   |       |       |     |
|-------|---|---|-------|-------|-----|
| Set A | x | 0 | 3     | 7     | 10  |
|       | y | 0 | -10.5 | -24.5 | -35 |
| Set B | x | 0 | 2     | 9     | 10  |
|       | y | 0 | -8    | -36   | -40 |

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_



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**Answers**

1)

|       |   |   |    |    |    |
|-------|---|---|----|----|----|
| Set A | x | 0 | 2  | 6  | 10 |
|       | y | 0 | 13 | 39 | 65 |

 $y=6.5x$ 

|       |   |   |    |    |    |
|-------|---|---|----|----|----|
| Set B | x | 0 | 5  | 8  | 10 |
|       | y | 0 | 45 | 72 | 90 |

 $y=9x$ 

2)

|       |   |   |    |      |    |
|-------|---|---|----|------|----|
| Set A | x | 0 | 2  | 3    | 4  |
|       | y | 0 | 15 | 22.5 | 30 |

 $y=7.5x$ 

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set B | x | 0 | 4   | 6   | 8   |
|       | y | 0 | -40 | -60 | -80 |

 $y=-10x$ 

3)

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set A | x | 0 | 5   | 6   | 7   |
|       | y | 0 | -30 | -36 | -42 |

 $y=-6x$ 

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set B | x | 0 | 3   | 4   | 7   |
|       | y | 0 | -21 | -28 | -49 |

 $y=-7x$ 

4)

|       |   |   |      |      |    |
|-------|---|---|------|------|----|
| Set A | x | 0 | 5    | 7    | 10 |
|       | y | 0 | 37.5 | 52.5 | 75 |

 $y=7.5x$ 

|       |   |   |     |       |       |
|-------|---|---|-----|-------|-------|
| Set B | x | 0 | 4   | 7     | 9     |
|       | y | 0 | -42 | -73.5 | -94.5 |

 $y=-10.5x$ 

5)

|       |   |   |    |    |    |
|-------|---|---|----|----|----|
| Set A | x | 0 | 5  | 9  | 10 |
|       | y | 0 | 15 | 27 | 30 |

 $y=3x$ 

|       |   |   |     |     |     |
|-------|---|---|-----|-----|-----|
| Set B | x | 0 | 4   | 6   | 10  |
|       | y | 0 | -16 | -24 | -40 |

 $y=-4x$ 

6)

|       |   |   |       |       |     |
|-------|---|---|-------|-------|-----|
| Set A | x | 0 | 3     | 7     | 10  |
|       | y | 0 | -10.5 | -24.5 | -35 |

 $y=-3.5x$ 

|       |   |   |    |     |     |
|-------|---|---|----|-----|-----|
| Set B | x | 0 | 2  | 9   | 10  |
|       | y | 0 | -8 | -36 | -40 |

 $y=-4x$ 

1. **2.5**
2. **17.5**
3. **1**
4. **18**
5. **7**
6. **0.5**