

## Slope/Rate of Change in Tables

Score \_\_\_\_\_ Per \_\_\_\_\_

Find the slope, or rate of change, from each table and write it as a ratio of change in  $y$  divided by change in  $x$ . Simplify.

Time Flying (hr)	Distance from Airport (mi)
0	3600
1	3150
2	2700
3	2250

1. Write the slope as a ratio:

$$\frac{\text{Change in Distance}}{\text{Change in Time}} = \underline{\hspace{2cm}}$$

2. What is the simplified slope (unit rate)?

\_\_\_\_\_ miles per hour

Time Driving (hr)	Distance from Home (miles)
4	270
6	405
8	540
10	675

3. Write the slope as a ratio:

$$\frac{\text{Change in Distance}}{\text{Change in Hours}} = \underline{\hspace{2cm}}$$

4. What is the simplified slope (unit rate)?

\_\_\_\_\_ miles per hour

5.

Time Saving (months)	Money Saved (\$)
2	250
6	550
7	625
12	1000

Slope = \$ \_\_\_\_\_ per month

6.

Number of Students	Total Books Read
30	120
100	400
500	2000
1000	4000

Slope = \_\_\_\_\_ books read per student

7.

Time Bathing (hr)	Cats Left to Bathe
0	50
3	40
6	30
9	20

Slope = \_\_\_\_\_ cats per hour

8.

Time Driving (hr)	Distance from Disneyland (mi)
2	520
4	400
5	340
8	160

Slope = \_\_\_\_\_ miles per hour

9.

$x$	$y$
1	8
2	6
3	4
4	2

Slope = \_\_\_\_\_

10.

$x$	$y$
-15	12
-7	10
1	8
9	6

Slope = \_\_\_\_\_

11.

$x$	$y$
30	0
16	-2
2	-4
-12	-6

Slope = \_\_\_\_\_

12.

$x$	$y$
3	15
7	16
11	17
15	18

Slope = \_\_\_\_\_

13.

$x$	0	1	2	3
$y$	3	5.5	8	10.5

Slope = \_\_\_\_\_

14.

$x$	-2	0	4	6
$y$	0	5	15	20

Slope = \_\_\_\_\_

15.

$y$	34	26	22	10
$x$	9	7	6	3

Slope = \_\_\_\_\_

16.

$y$	-5	-2	1	4
$x$	-8	-4	0	4

Slope = \_\_\_\_\_