

4- 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

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

1. Write the slope as a ratio:

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

3. Write the slope as a ratio:

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

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

_____ miles per hour

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 = _____