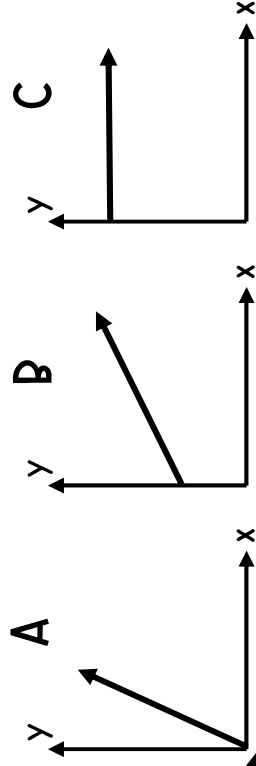


Which graph has the greatest rate of change? How do you know?



1

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Observe the line segments in the word below:

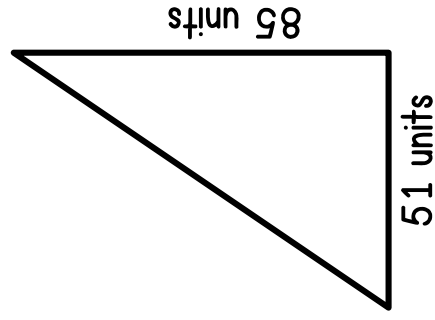
MATH

List the number of line segments that have a positive slope, negative slope, zero slope and undefined slope.

2

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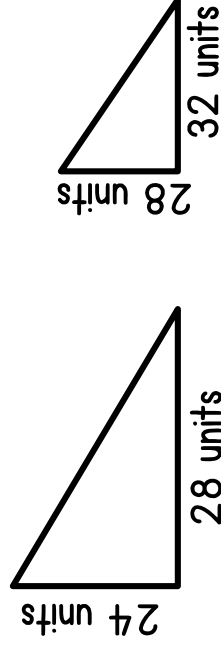
Determine whether the triangle below could lie on a line that has a slope of $\frac{5}{3}$.



3

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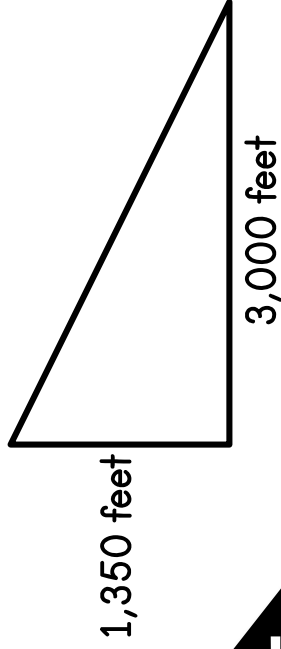
Determine whether the two triangles below could lie on the same graphed line. Explain your reasoning.



4

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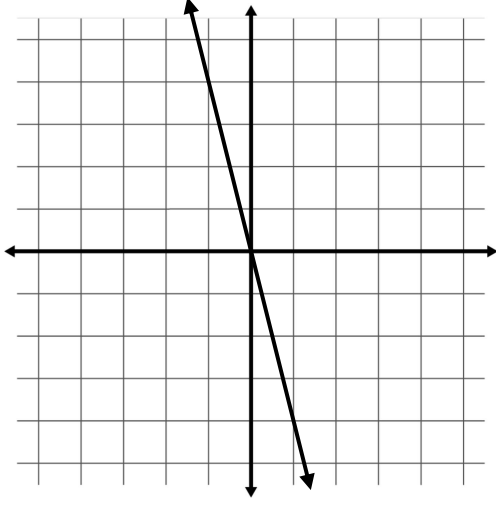
Hank went hiking, and the vertical and horizontal distance he covered is shown below. Find the slope of the path that he hiked in simplest form.



5

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Find the slope of the line shown below.



6

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Find the slope represented in the table below.

X	-10	-5	0	5	10
Y	55	20	-15	-50	-85

7

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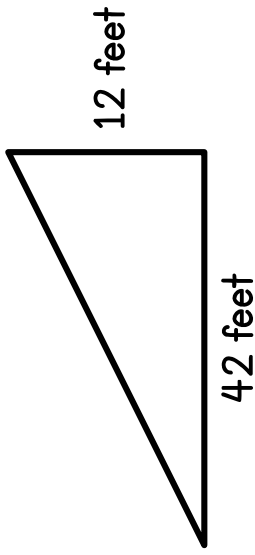
Find the slope of the line that would pass through the ordered pairs below.

$(18, 3)$ and $(24, 4)$

8

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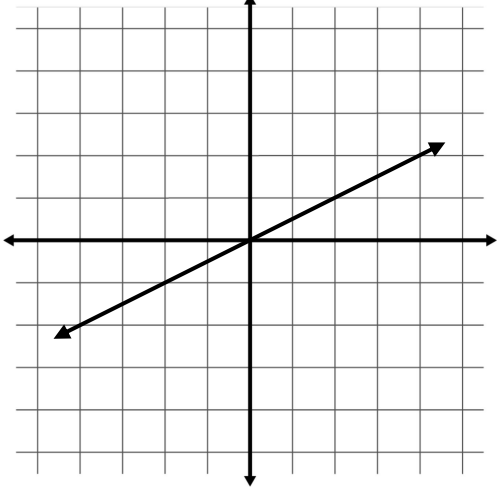
A waterpark is designing an incline for guests to boogie board on as shown below. Find the slope of the incline in simplest form.



9

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Find the slope of the line shown below.



10

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Find the slope represented in the table below.

X	Y
-4	3
-2	4.5
0	6
2	7.5

11

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Find the slope of the line that would pass through the ordered pairs below.

$(-4, -52)$ and $(-1, -22)$

12

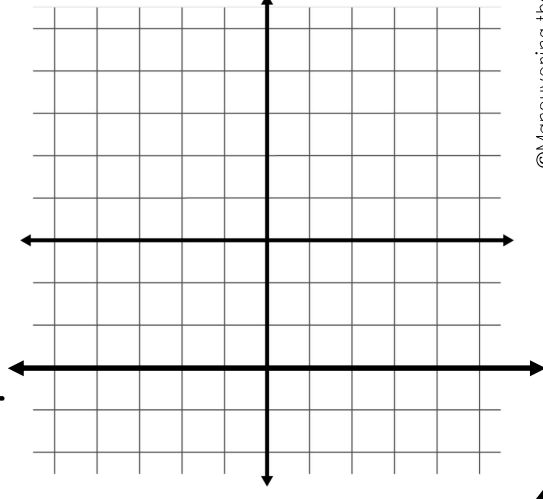
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An ice cream shop charges customers a set amount for one scoop of ice cream, plus a charge per topping. If two toppings would cost a total of \$3.99, and 4 toppings would cost a total of \$4.99, what is the rate per topping?

13

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Find the slope of the line shown below.



14

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Find the slope represented in the table below.

X	-6	-3	0	3	6
Y	5	5	5	5	5

15

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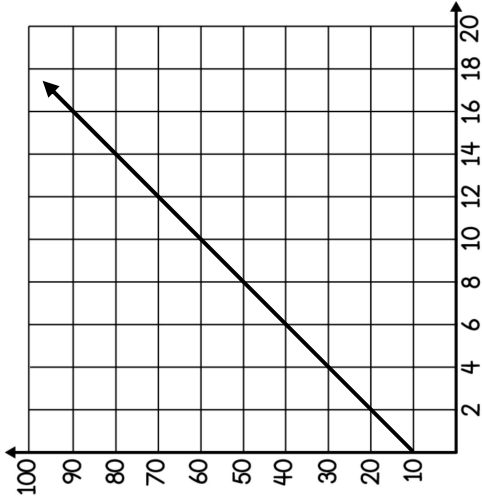
Find the slope of the line that would pass through the ordered pairs below.

$(-7, 9)$ and $(14, -18)$

16

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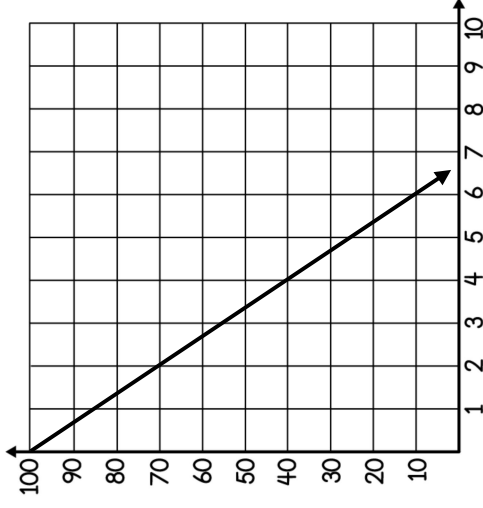
Find the slope represented in the graph below.



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17

Find the slope of the line shown below.



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18

Find the slope represented in the table below.

X	Y
2	44
5	110
7	154
12	264

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19

Find the slope of the line that would pass through the ordered pairs below.

$(8, 6)$ and $(16, 11)$

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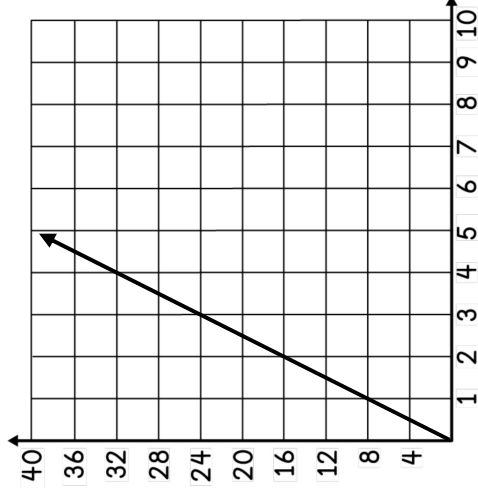
20

Bryan needs to finish a book for school. After 2 weeks, he has read 45 pages, and after 6 weeks, he has read 135 pages. Find the rate of pages per week that Bryan is reading.

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21

Find the slope of the line shown below.



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22

Find the slope represented in the table below.

X	2	4	6	8	10
Y	-5	-10	-15	-20	-25

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23

Find the slope of the line that would pass through the ordered pairs below.

$(13, 7)$ and $(22, 5)$

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24

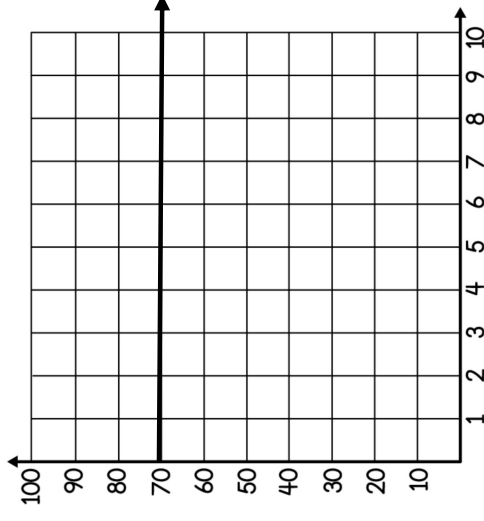
Find the slope of the line that would pass through the ordered pairs below.

$(-4, 17)$ and $(12, -11)$

25

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Find the slope of the line shown below.



26

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Find the slope represented in the table below.

X	Y
0	2
1	5.7
2	9.4
3	13.1

27

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Find the slope of the line that would pass through the ordered pairs below.

$(1, 18)$ and $(4, 51)$

28

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SLOPE AND RATE OF CHANGE TASK CARDS

Show your work for each problem in the correct box.

1	2	3	4
5	6	7	8
9	10	11	12

13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28