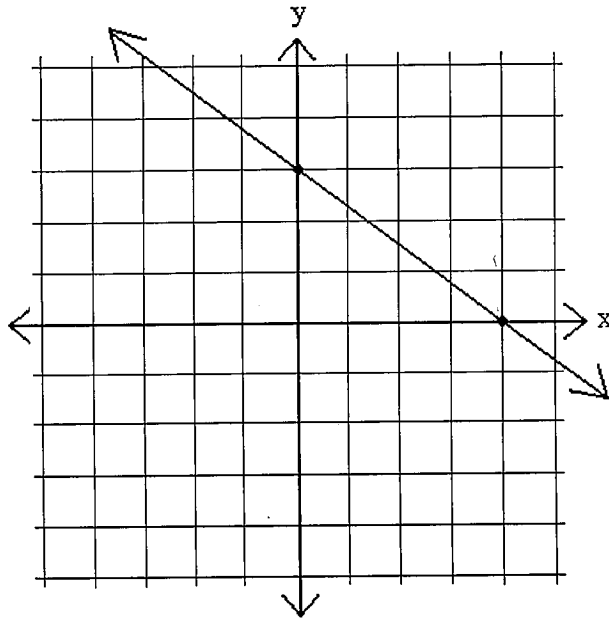


1

Find both of the slopes below.



x	-2	0	3	7
y	-12	-2	13	33

2

Determine whether the following tables show direct variation. Explain.

x	2	4	5	6
y	12	24	40	54

x	1	2	3	4
y	0.25	0.5	0.75	1

3

Graph the following points. Then, determine whether or not they vary directly. Explain.

$(-2, -4)$ $(-1, -2)$ $(2, 4)$ and $(4, 8)$

4

Write an equation for each of the tables which vary directly below.

x	0	2	4	7
y	0	16	32	56

x	1	2	3	4
y	0.333	0.667	1	1.333

5

Find the slope for the tables below.

x	0	3	6	9
y	-1	1	3	5

x	-1	1	3	7
y	12	8	4	-4

6

Sketch a graph of the following points.
Then find the slope of the line formed
between them

$(-2, -13)$ and $(3, 17)$

7

Use the given direct variation equations to fill in the tables below.

$$y = 4x$$

x	0	1	3	8
y				

$$y = 0.2x$$

x	0	5	10	15
y				

$$y = -2x$$

x	-1	0	1	2
y				

8

Tim is able to run 4.5 miles in an hour.

The equation $d = 4.5t$ can be used to describe Tim's situation, where d is his distance and t is his time.

Is Tim's equation direct variation? Why or why not?

If Tim runs for 4 hours, how many miles will he have ran?

If Tim ran 24 miles, how long would it take him?