

## Algebra 1 Homework – 4-3 and 4-4

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

1) The table shows Gabe's height on his birthday for five years.

Age	9	11	12	13	15
Height (in.)	58	59.5	61.5	65	69

a) Find the rate of change during each time interval.

b) When did the greatest rate of change occur?

c) When was the rate of change the least?

d) During which two time periods were the rates of change the same?

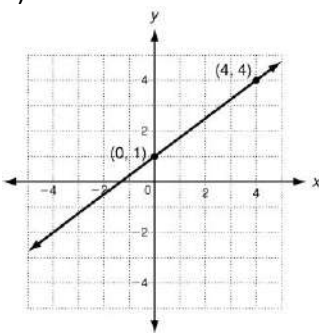
2) The table shows the distance of a courier from her destination.

Time (p.m.)	2:15	2:30	2:45	3:00
Distance (mi)	5.4	5.4	5.0	0.5

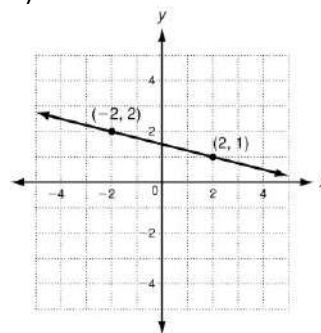
What is the rate of change from 2:15 p.m. to 2:30 p.m.? What does this rate of change mean?

Write the slope of the line.

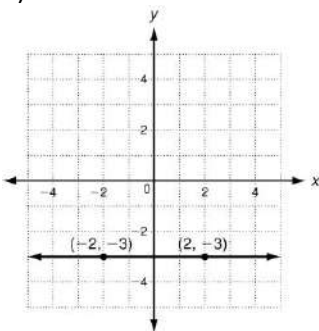
3)



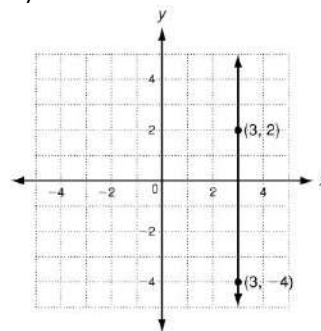
4)



5)

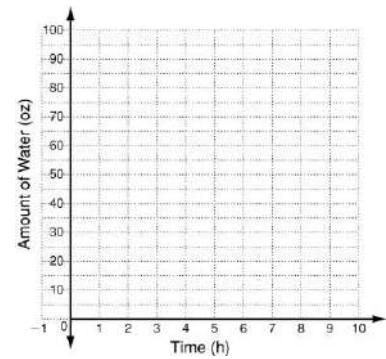


6)

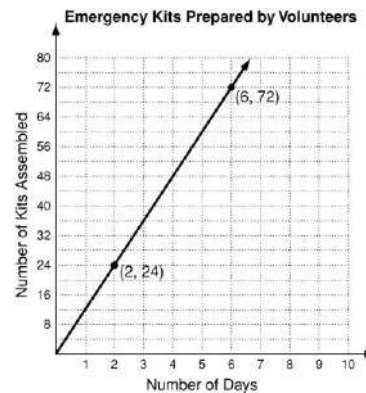


7) The table shows the amount of water in a pitcher at different times. Graph the data and show the rates of change. Between which two hours is the rate of change the greatest?

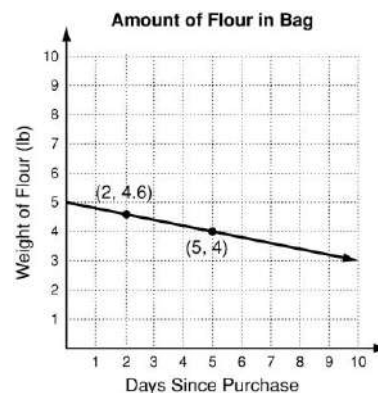
Time (h)	0	1	2	3	4	5	6	7
Amount (oz)	60	50	25	80	65	65	65	50



8) The graph shows the number of emergency kits assembled by volunteers over a period of days. Find the slope of the line. Then tell what the slope represents.



9) The graph shows how much flour is in a bag at different times. Find the slope of the line. Then tell what the slope represents.



Find the slope of the line that contains each pair of points.

10) (2, 8) and (1, -3)

11) (-4, 0) and (-6, -2)

12) (0, -2) and (4, -7)

13) (0, -1) and (-3, -1)