

2.3 Rate of Change and Slope

NAME _____ DATE _____ Class _____

Find the slope of the line that passes through each pair of points.

1. $(1, 5), (-1, -3)$

2. $(0, 2), (3, 0)$

3. $(1, 9), (0, 6)$

4. $(8, -5), (4, -2)$

5. $(-3, 5), (-3, -1)$

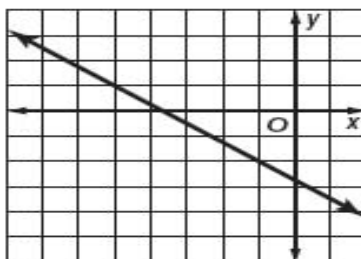
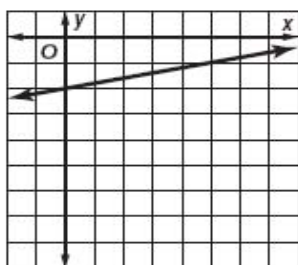
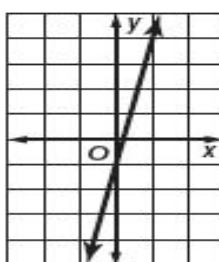
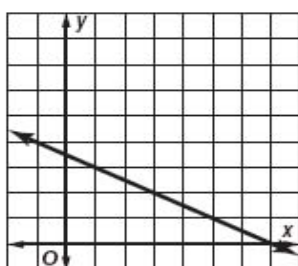
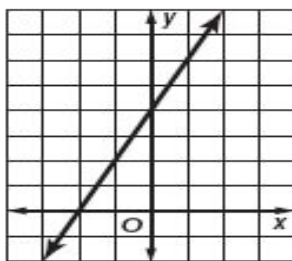
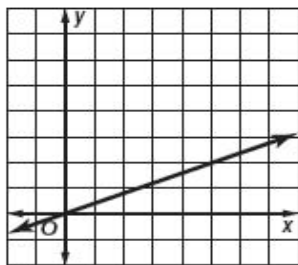
6. $(-2, -2), (10, -2)$

7. $(4, 5), (2, 7)$

8. $(-2, -4), (3, 2)$

9. $(5, 2), (-3, 2)$

Determine the rate of change of each graph.



Find the rate of change for each set of data.

1)

Time P.M.	People in auditorium
7:15	26
7:22	61
7:24	71
7:30	101
7:40	151

2)

Time (minutes)	Altitude of balloon (meters)
3	520
8	1,220
11	1,640
15	2,200
23	3,320

3)

Time (minutes)	Vehicles through tunnel
4	1,610
11	2,131
19	2,746
22	2,970
28	3,432