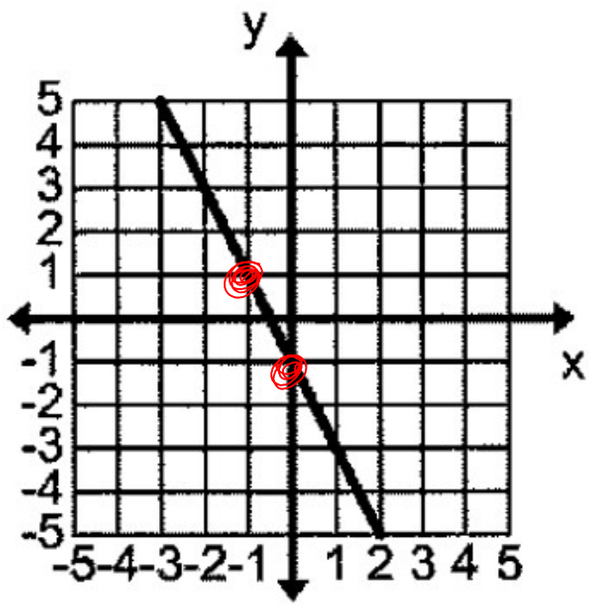
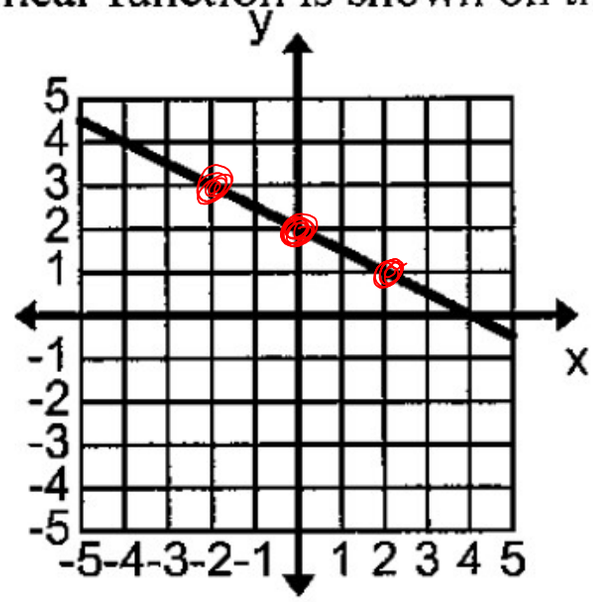
1. Find the slope of the line in the graph. P. 41



$y = -2x - 1$

2. Which linear function is shown on the graph below?

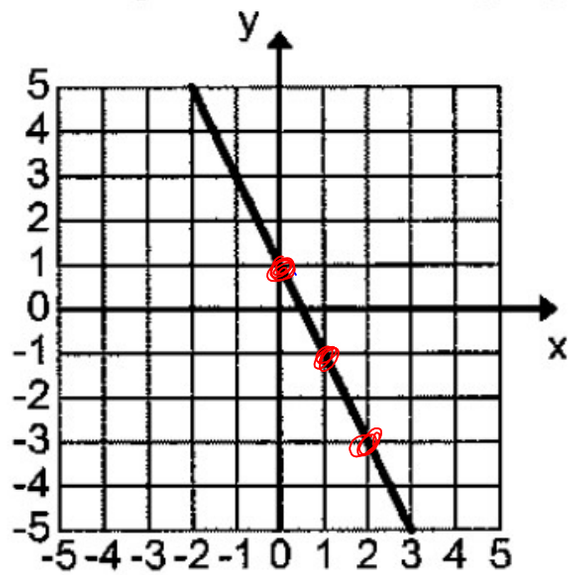
CC.8.F.4



$y = -\frac{1}{2}x + 2$

4. Write an equation that represents the line graphed below.

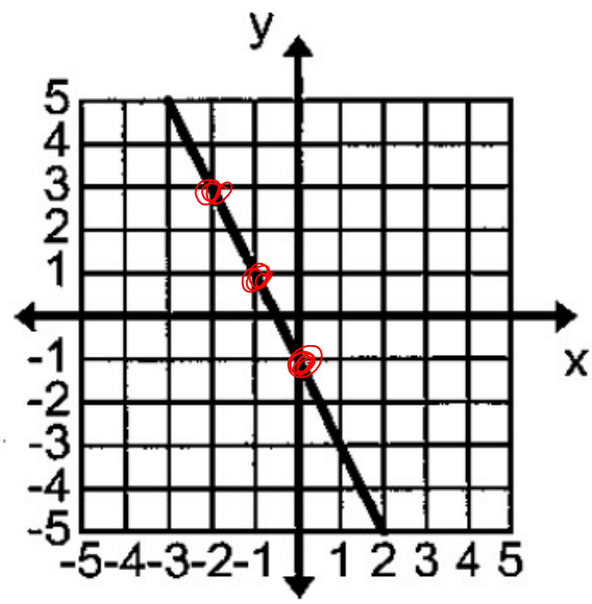
CC.8.F.4



$y = -2x + 1$

5. Find the equation of the line in the graph.

CC.8.F.4



$y = -2x - 1$

7. What is the rate of change in the table?

x	y
0	3
1	6
2	9
3	12

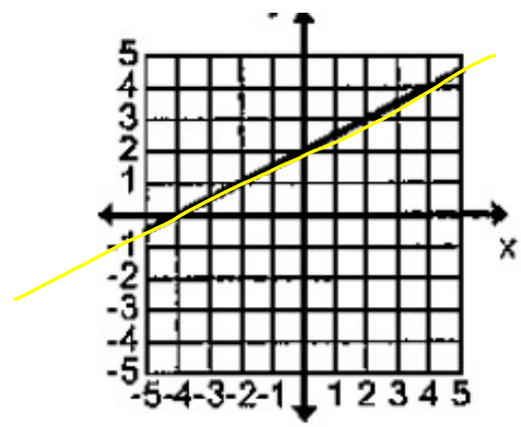
1 3
1 3
1 3

Δy 3
Δx 1 = 3

Use the graph to answer question 8.

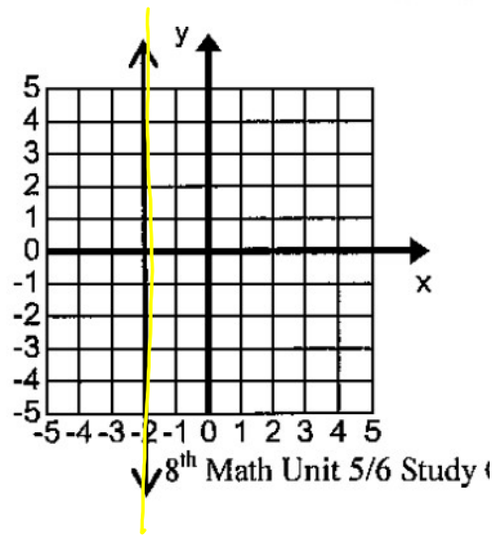
8. Is the slope positive, negative, no slope, or undefined?

positive



12. Which best describes the slope of the line in the graph?

A. Positive slope
B. Negative slope
C. Zero slope
D. Undefined



13. Which of the following 4 data sets represents a linear function?

a.

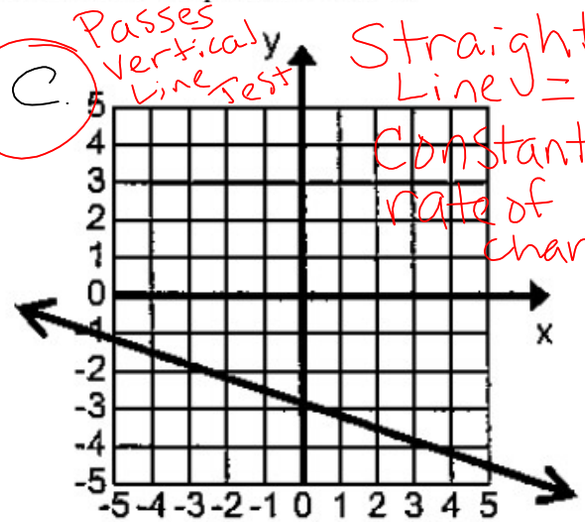
x	y
1	3
1	6
1	8
1	12

b.

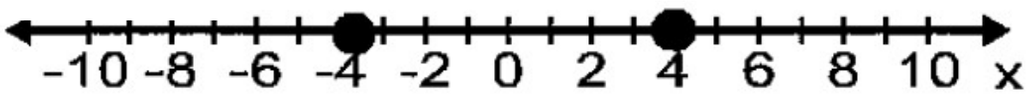
x	y
0	2
6	−1
8	4
10	−4

c. Passes vertical line test

Straight Line = constant rate of change



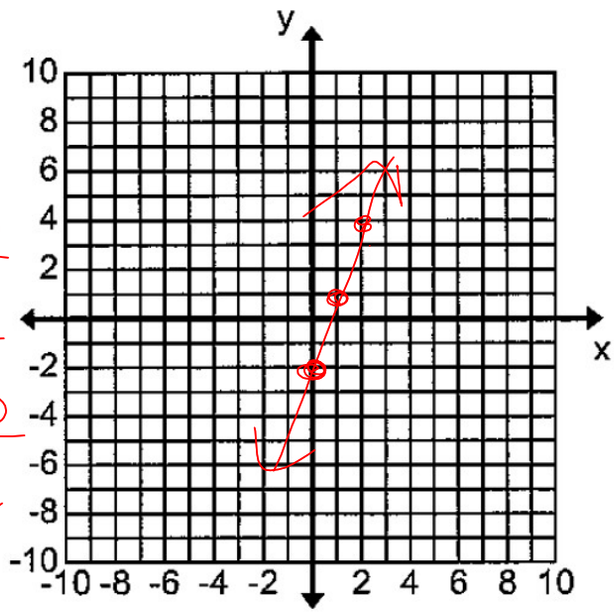
d.



4. Fill in the chart below and graph the line for:

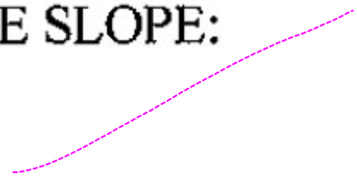
$$y = 3x-2$$

x	y	
-1	-5	3(-1) - 2
0	-2	3(0) - 2
1	1	3(1) - 2
2	4	3(2) - 2

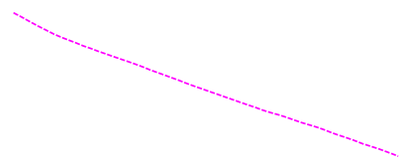


16. Sketch graphs with:

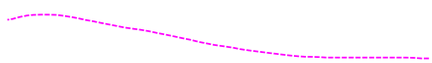
POSITIVE SLOPE:



NEGATIVE SLOPE:



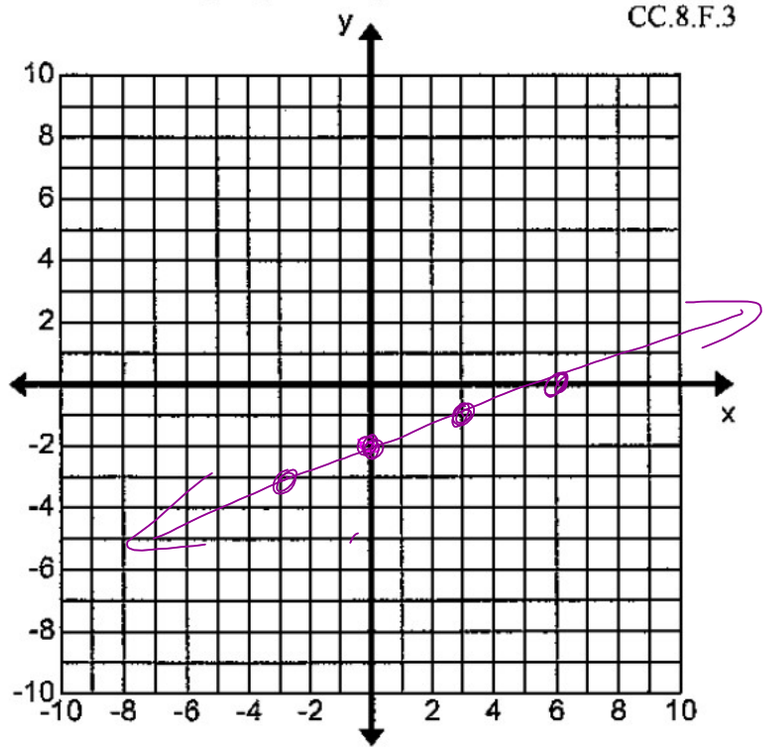
ZERO SLOPE:



UNDEFINED:

17. Draw the graph of $y = \frac{1}{3}x - 2$.

CC.8.F.3



18. Which of these sets of data matches the graph?

x	y
-2	3
-1	0
0	-1
1	-1

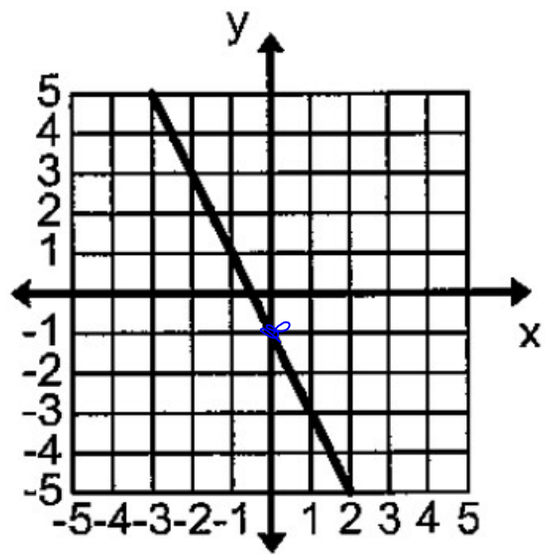
a.

x	y
-2	3
-1	1
0	-1
1	-3

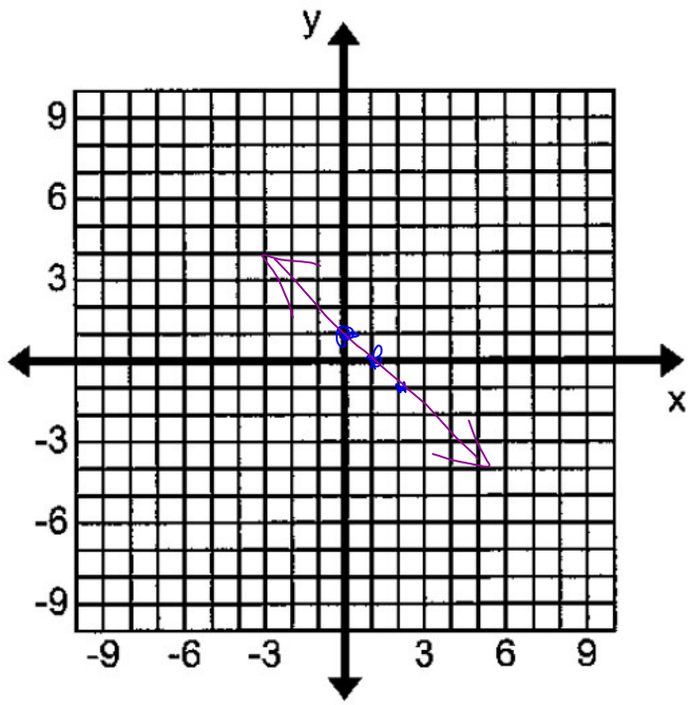
b.

x	y
-2	3
-1	0
0	-.5
1	-1

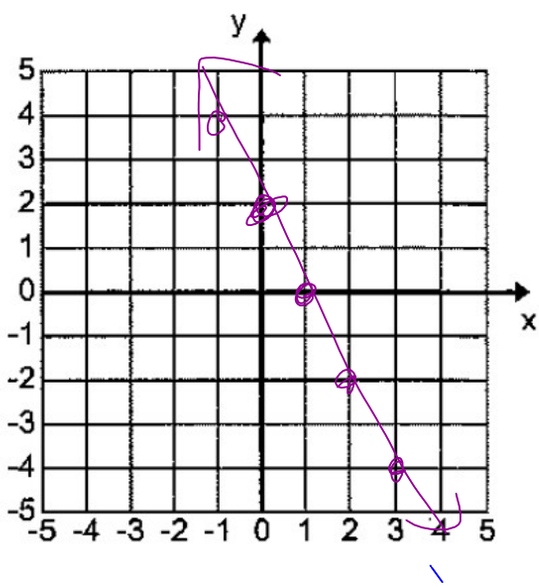
c.



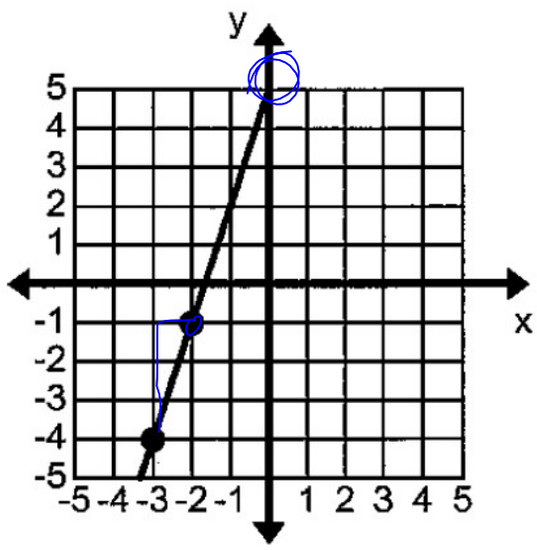
22. Draw the graph $y = -x + 1$.



24. Draw the graph of the equation $y = -2x + 2$.



25. Write the equation of this graph.



$y = 3x + 5$