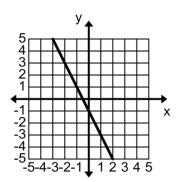
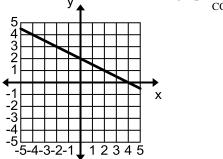
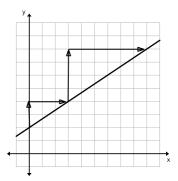
1. Find the slope of the line in the graph. CC.8.F.4



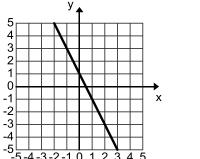
2. Which linear function is shown on the graph below?



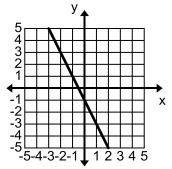
3. Which statement is true concerning the slope of the line below? CC.8.EE.6



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



- A. The slope is equivalent to the simplified ratio of the horizontal leg to the vertical leg of each triangle shown.
- B. The slope is equivalent to -2/3.
- C. The slope is equivalent to the simplified ratio of the rise to the run of each triangle shown.
- D. The slope is equivalent to 3/2.
- 5. Find the equation of the line in the graph.



Oranges
Only \$.50 each!

CC.8.F.4

Apples								
Tickets	0	1	2	3				
Price (\$)	0	.65	1.30	1.95				

- 6a. The starting amounts for each function?
- 6b. Which function has a greater rate of change?

7	What is	the rat	e of	change	in	the	table?
/ .	vv mat 18	uic rai	UI.	change	111	uic	table:

x	y
0	3
1	6
2	9
3	12

CC.8.F.2

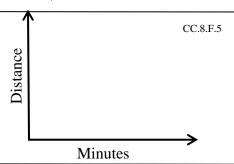
Use the graph to answer question 8.

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

_ <u> </u>	
5 4 3 2	
3	
ž	
1 1	
	<del></del>
-1	+++++
-2	<b>+++++</b> ΄
-3	
-4	
-5	1001
-1 -2 -3 -4 -5 -5-4-3-2-1	12345

CC.8.F.5

9. Sketch a graph to match this: The Olympic skier waited at the top of the mountain for 2 minutes before heading down the ski slope. She went faster and faster for the first 5 minutes, and then she slowed to a stop. Finally, it took her 10 more minutes to walk to her car.

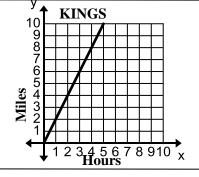


A C	Time(hours)	1	2	3	4	5	6
E S	Miles	10	20	30	40	50	60

CC.8.EE.5

10. Team Aces and Team Kings were riding bikes. Use the table And the graph to help you:

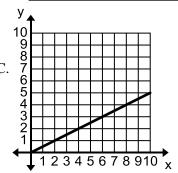
Describe the difference between the rates of the two teams.



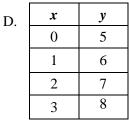
CC.8.EE.5

11. Of the four linear functions represents below, which has the greatest rate of change?

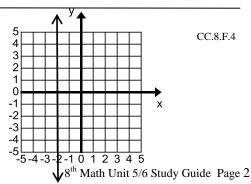
A. A number (y) is two more than a number (x)



B. y = 4x



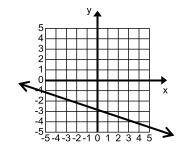
- 12. Which best describes the slope of the line in the graph?
  - A. Positive slope
  - B. Negative slope
  - C. Zero slope
  - D. Undefined

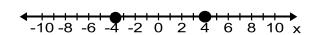


13. Which of the following 4 data sets represents a linear function? CC.8.F.3

X	у
1	3
1	6
1	8
1	12

X	у
0	2
6	-1
8	4
10	-4

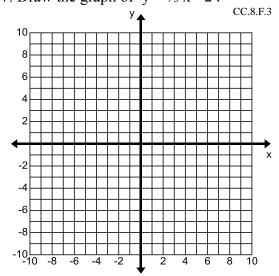




15. Bob has \$12 and he makes \$5 per hour washing cars. This can be represented as: y=5x+12.

What does the slope represent?

- A. The number of cars washed
- B. The total cost of car washes
- C. The amount per hour he makes
- D. The amount he already has.
- 17. Draw the graph of  $y = \frac{1}{3}x 2$ .

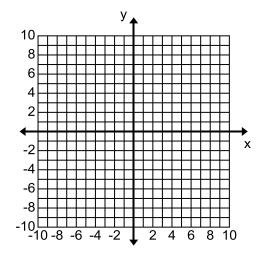


14. Fill in the chart below and graph the line for:

$$y = 3x-2$$

MCCF.4

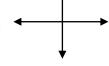
x	у



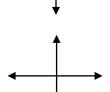
CC.8.F.4

16. Sketch graphs with:

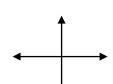
POSITIVE SLOPE:



NEGATIVE SLOPE:



ZERO SLOPE:



UNDEFINED:

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

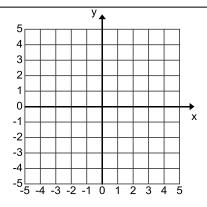
x	y
-2	3
-1	0
0	-1
1	-1

$\boldsymbol{x}$	y
-2	3
-1	1
0	-1
1	-3

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

_				У 4	1				
5 4 3 2 1	E	$\setminus$							
2 1			f						
<u>₹</u>				7					→ ×
-2 - -3 -					7				
-1 -2 -3 -4 -5 -5	4-:	3-	2-	1	_		3 4	∐ 1 5	5

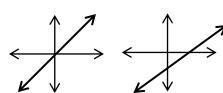
19. Draw the function y = x

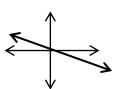


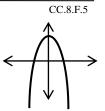
CC.8.F.4

CC.8.F.3

20. Which sketches illustrate y = x?



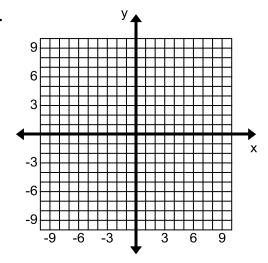




21. Al drives a cab. He charges \$4 to pick you up and \$2 for each mile. He uses the equation: y = 2x + 4 Explain what the variable x means in this equation.

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

CC.8.F.3

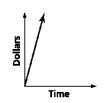


Which graph increased in cost at the fastest rate?

Which graph increased in cost at the slowest rate?

Which 2 have similar rates?

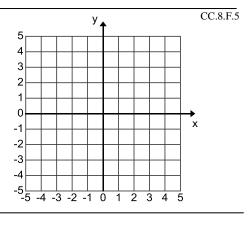




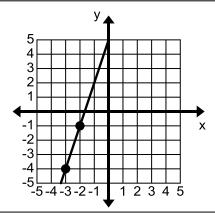




24. Draw the graph of the equation y = -2x + 2.



25. Write the equation of this graph.



CC.8.F.5

26. Fill in the blanks to make TRUE statements about the graph shown?



- A. The slope of the line is \_\_\_\_\_.
- B. The smaller triangle and the larger triangle shown are

