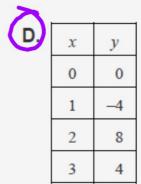
Practice Functions Test

1. Which relation below is a function?

A.	x	y
	9	-2
	1	-3
	0	-4

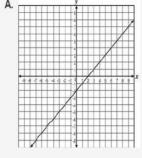
В.	x	у
	0	2
	1	3
	(b)	4
	2	5

C.	x	у
	(0
	1	1
	0	8
	2	27

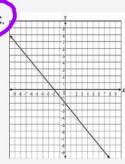


2. Which linear graph represents the values in the table below?

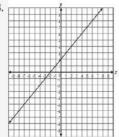
х	у	kd
-2	0	ma)
0	-2	
2	-4	



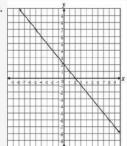
ت



В.



D.



3. Which chart represents a function?

A.

x	y
0	0
	-1
	1
4	2

C

).	x	y
	-2	2
	2	-3
	3	2
	3	-3

B

x	у
2	6
4	10
6	14
8	18

D.

x	у
0	2
3	-2
5	24
-5	24

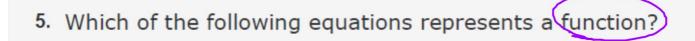
4. In which table is not a function of x?

A.	x	у
	-1	4
	-2	7
	-3	12

B.	x	у
	-5	11
	-2	2
	1	-7
	5	19

C .	x	у
	0	1
	-1	-1
	0	0
	1	2

D.	x	y
	-4	13
	-2	1
	2	1
	4	13

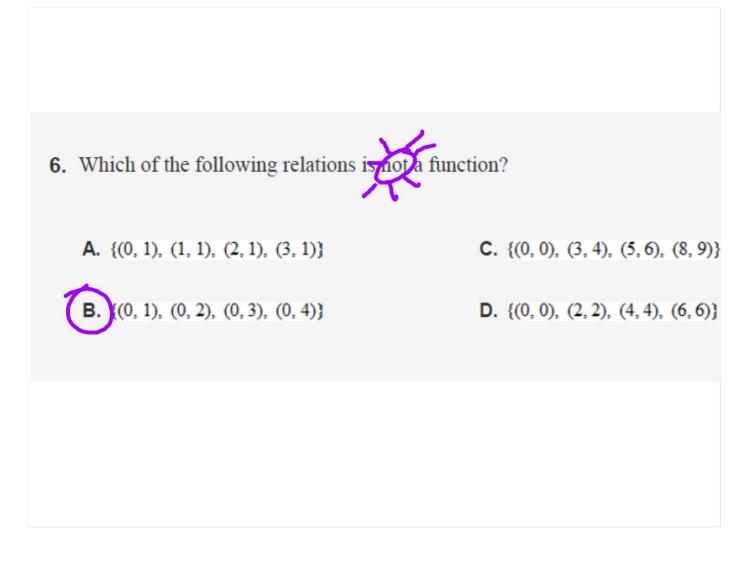


$$x = 2$$

$$y^2 = x + 2$$

$$\sqrt{x+2}$$

D.
$$y = x^4 + 2$$



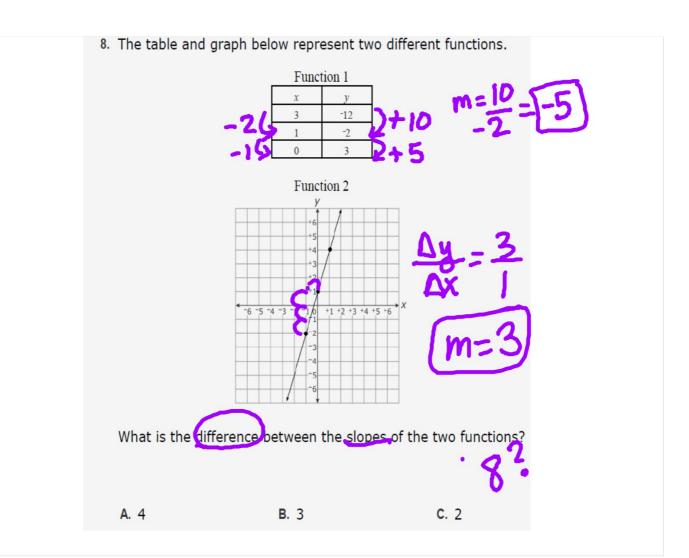
7. Ronny's Carpet Cleaning uses the equation y = 15x + \$22.50 to calculate the total cost, y, to clean carpet for x number of hours. Juan's Carpet Cleaning uses the table below to calculate the total cost.

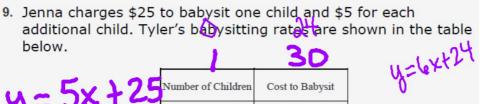
	Juan's Carpet Cleaning			21- (3.5
	Number of Hours (x)	Total Cost (y)		2
426	1	\$38.50	527	15.00
	3	\$65.50		
	6	\$106.00		2 60
l	8	\$133.00		-15.30

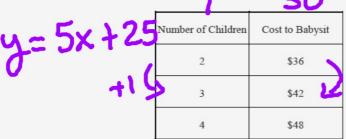
Which company charges less per hour, and by how much?

- A. Ronny's Carpet Cleaning charges \$2.50 less per hour.
- B. Juan's Carpet Cleaning charges \$2.50 less per hour.
- C. Ronny's Carpet Cleaning charges \$1.50 less per hour.

D.







How much more does <u>Tyler charge</u> to babysit one child than Jenna charges to babysit one child?

A. \$4

B. \$5

C. \$6

10. Art classes at Studio A cost \$15 per class, plus a one-time fee of \$20. The following functions represent the total cost, y, of taking x art classes at four other studios. Which function represents the studio with a cost per class greater than Studio A?

A.
$$y = 12x + 25$$

C.
$$y = 15x + 14$$

B.
$$y = 14x + 11$$

D.
$$y = 18x + 12$$