Name	Period	Date
	TEST 8-4	
Show your work on a separate	sheet of paper.	

1. Which graph best matches the input-output table below?



2. Choose all the representations that could match the linear function graphed below.



- 3. Which of the following could represent a function?
 - A. The equation y = -3 3x

C. The table

- B. The ordered pairs (4, 5) (4, 6) (5, 7) (8, 9)
- D. The graph





Name		Period	Date
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TEST 7-3 Continued

- 4. Mac and Cam both saved money for a new skateboard.
 - Mac saved the same amount each week. This table shows his savings at the end of every two weeks.

Time elapsed in weeks	2	4	6	
Total saved in dollars	26	52	78	

• Cam's savings can be modeled with the equation y = 52x where x is time elapsed in weeks and y is dollars saved.

Which statements correctly compare the rates at which Mac and Cam save?

- A. Cam is saving twice as fast as Mac.
- B. Cam is saving four times as fast as Mac.
- C. Cam is saving \$26 per week more than Mac.
- D. Cam is saving \$39 per week more than Mac.

Use this information for problems 5 - 7:

Sienna is saving for an MP3 player that costs \$200. She has \$50 already saved in the bank and is going to save \$25 each month.

5. If x represents the number of months and y represents the total amount saved, which equation shows the total amount of money Sienna will have at the end of each month?

	Α.	y = 25x + 200	В.	y = 25x + 50	C.	y = 50x + 25	D.	y = 25x - 200
6.	Wha	t quantity represe	ents th	e initial value of t	he fur	nction?		
	A.	\$200	В.	\$50	C.	\$25	D.	X
7.	Wha	t quantity represe	ents th	e rate of change	of the	function?		
	A.	\$200	В.	\$50	C.	\$25	D.	x

Ν	ame	

Date _____

TEST 7-3 Continued

8. Here is the start of a growing shape pattern and its representation in a table. Each square is one unit on each side.



- a. Draw step 4.
- b. Complete the table.
- c. Graph the ordered pairs. Make sure to label and scale the axes appropriately.
- d. Describe the graph. Does the graph appear to be that of a linear function?

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