ExamView

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Which of the sets of ordered pairs represents a function?

$$J = \{(-2, 5), (-3, 7), (2, 4), (3, -4)\}$$

$$K = \{(-4, 2), (-2, -4), (-4, 4), (-9, 4)\}$$
a. Only K

Table M
x y
4 -7
3 -2
3 -6
9 7

Table K

-2 4

-3 -4

-9 -4

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of the function, represented as ordered pairs? If y = 3x - 2, which of the following sets represents possible inputs and outputs

- $\{(-3, -11), (2, 4), (-1, -6)\}\$
- $\{(-1, -4), (1, 1), (-2, -8)\}\$  $\{(2, 4), (3, 6), (5, 13)\}$

ExamView

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You and your buddy spend a certain amount of money from your money box each month to buy comic books, The table shows the relationship between the amount of money (9) remaining in your money box and the number of months (a):

	u	2	1	Number of months (x)	
14	48	62	76	Amount remaining in dollars (y)	

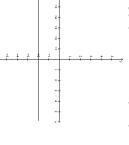
The equation shows the relationship between the amount of money (y) remaining in your buddy's money box and the number of months (x):

Which statement explains which function shows a greater rate of change?

- Function 2 shows a greater rate of change, because you spend \$14 each month and your fooldy spends \$11 each month.
   Function 1 shows a greater me of change, because you spend \$14 each month and your fooldy spends \$11 each month.
   Function 2 shows a greater me of change, because you spend \$16 each month and your fooldy spends \$11 each month.
   Function 1 shows a greater me of change, because you spend \$16 each month and your fooldy spends \$10 each month.

1





## Function 2:

By how much does the rate of change of function 1 and function 2 differ? y = -7x + 4

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the paper, the thickness of the paper is doubled. The paper starts out flat, with a You are folding a piece of paper to make an origami figure. Each time you fold thickness of 2 millimeters.

up with your ordered pairs. paper when the input is the number of times it is folded. Explain how you came A. Write a list of three ordered pairs showing the output as the thickness of the

you came up with in Part A. B. Is this relation a function? Explain why or why not using the ordered pairs

ExamView

amount of profit expressed by the function y = 45x, where x is the number sold and y is the considering switching to a new type of icing that will increase her profit, as Amanda sells homemade birthday cakes for a profit of \$38 per cake. She is

new material? How many more dollars will Amanda earn on each cake if she switches to the

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of the function, represented as ordered pairs? If y = 2x - 2, which of the following sets represents possible inputs and outputs

- $\{(-1, -4), (-0, -2), (3, 4)\}$

- $\{(1, 0), (-2, -5), (5, 8)\}$   $\{(3, 4), (4, 6), (7, 13)\}$   $\{(-1, -3), (1, 0), (-2, -6)\}$