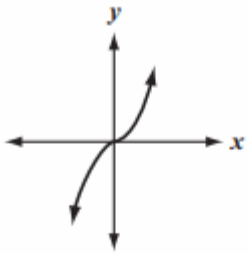
Algebra Do Now January 27, 2020

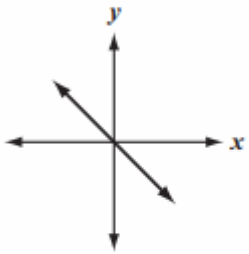
Name.....Period.....

Which of the following graphs shows a linear function?

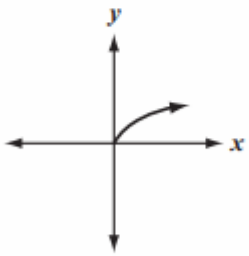
A.



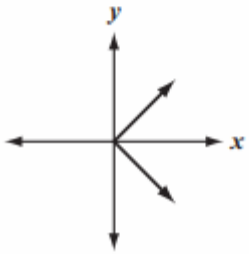
B.



C.



D.



The table below shows a relationship between x and y that is **not** a function.

x	y
3	6
4	6
5	7
5	8
6	10
10	9
11	11

Write one ordered pair that can be removed from the table to make the relationship between x and y a function.

Which system of linear equations has the same solution as the one shown below?

$$x - 4y = -10$$
$$x + y = 5$$

(1) $5x = 10$
$x + y = 5$

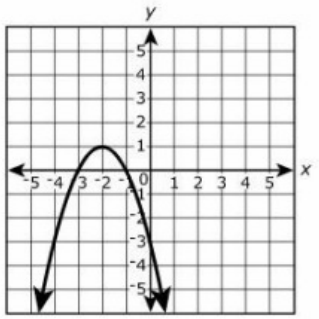
(2) $-5y = -5$
$x + y = 5$

(3) $-3x = -30$
$x + y = 5$

(4) $-5y = -5$
$x - 4y = -10$

2.

The graph shows the function $y = g(x)$, where $g(x)$ represents a transformation of $f(x) = x^2$.



What is the equation for $g(x)$?

A. $g(x) = (x-2)^2 - 1$

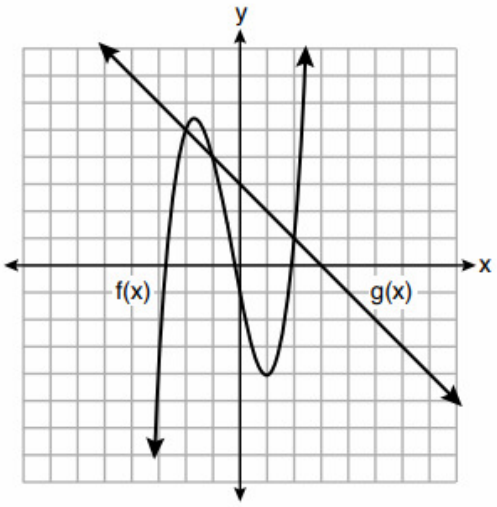
B. $g(x) = (x+2)^2 - 1$

C. $g(x) = -(x-2)^2 + 1$

D. $g(x) = -(x+2)^2 + 1$

3.

The functions $f(x)$ and $g(x)$ are graphed on the set of axes below.



For which value of x is $f(x) \neq g(x)$?

(1) -1

(2) 2

(3) 3

(4) -2