



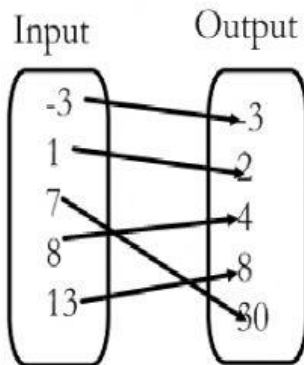
FIRST SUMMATIVE EVALUATION
MATHEMATICS 11
Prepared by: Mr. Ravy G. Galopo

Name: _____ Rating: / 50
Grade and Section: _____ Date: _____

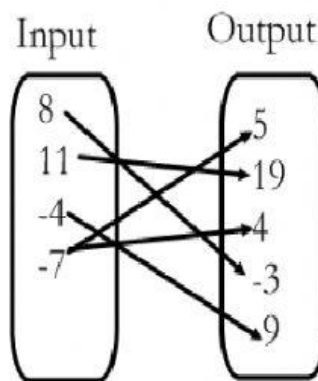
TEST I.

A. Write YES if the given is a function and No if it is not.

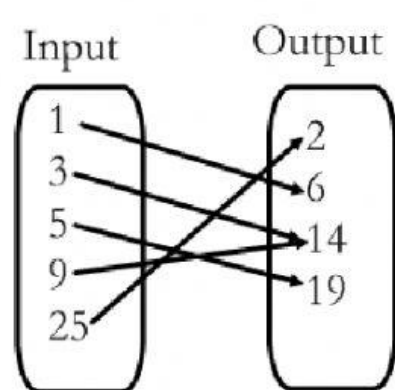
1.



2.



3.



4.

x	y
-7	9
-3	11
-1	-8
6	8
-3	19
-9	-10

5.

x	y
-6	13
-4	18
-2	25
0	34
2	45
4	58

6.

x	y
3	18
8	11
11	4
7	-6
2	18
-1	21

7.

 $\{(3,4), (4,-6), (5,-7), (3,2), (-2,5)\}$

8.

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

9.

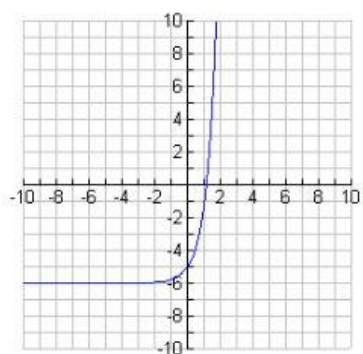
 $\{(-3,4), (-2,5), (0,0), (-2,5), (4,8)\}$

10. Is a person's weight a function of their height?

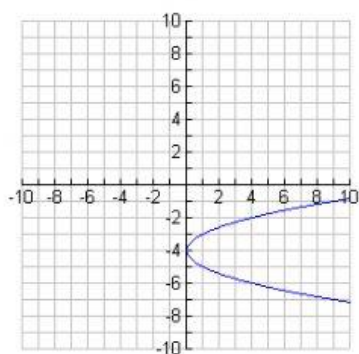
11. Is the height of a rocket a function of time?

Determine if each graph is a function.

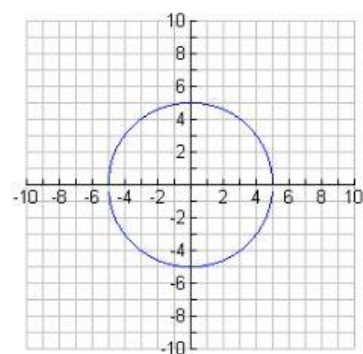
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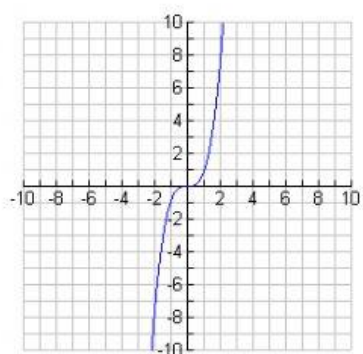
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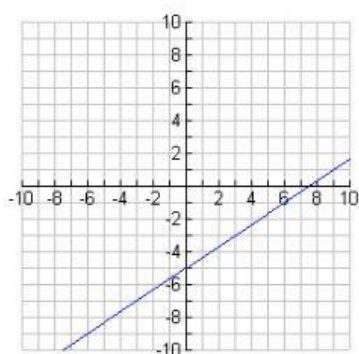
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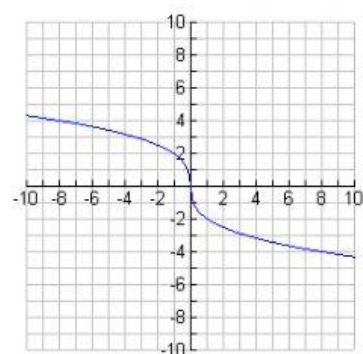
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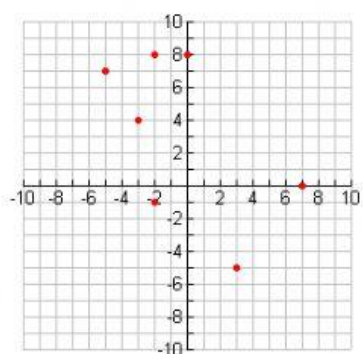
16.



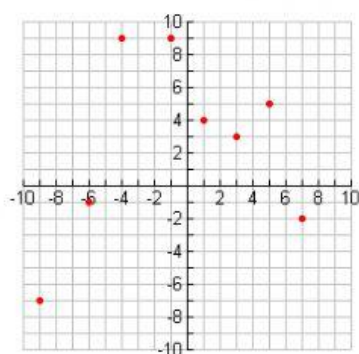
17.



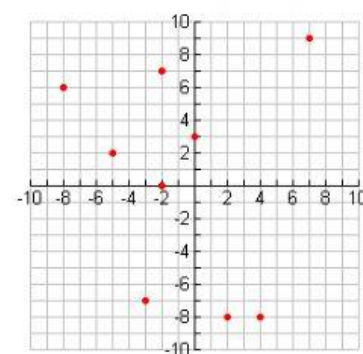
18.



19.



20.



B. State whether or not the following statements are true. If they are false, give an example write your example on a separate paper.

_____ 21-22. $f(x) + g(x) = g(x) + f(x)$

_____ 23-24. $f(x) - g(x) = g(x) - f(x)$

_____ 25-26. $\frac{f(x)}{g(x)} = \frac{g(x)}{f(x)}$

_____ 27-28. $f(g(x)) = g(f(x))$

_____ 29-30. $f(f(x)) = [f(x)]^2$

"Integrity is telling myself the truth. And honesty is telling the truth to other people."

- Spencer Johnson, American Author

*****END OF EXAM*****