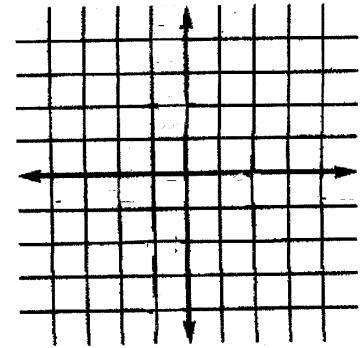


Name _____
Algebra 1

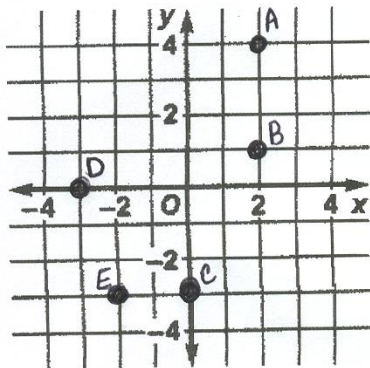
Date _____
Unit Review Relations and Functions

1) Label the parts of the graph. What is the graph called?



Use the graph to answer questions #2-8.

Write the ordered pair that names each point.



		Coordinates of ordered pair
2.	A	
3.	B	
4.	C	
5.	D	
6.	E	

7. What is the **domain** of the relation graphed?

$D = \{ \quad \quad \quad \}$

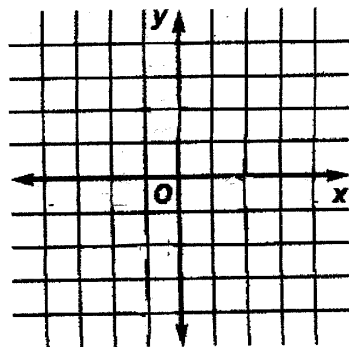
8. What is the **inverse** of the relation graphed?

$I = \{ \quad \quad \quad \}$

Name the quadrant or axis where each point is located.

Graph these points on the coordinate plane below.

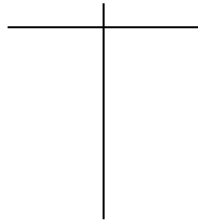
- 13. $A(4,1)$
- 14. $B(2,-4)$
- 15. $C(-2,0)$



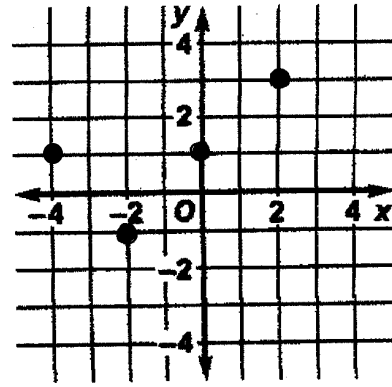
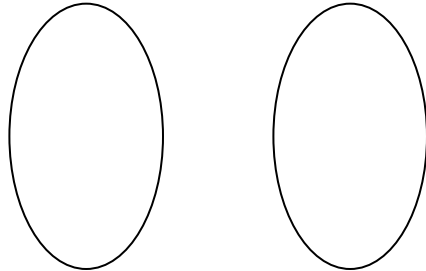
	Point	Quadrant or Axis
9.	$(-7,12)$	
10.	$(0,8)$	
11.	$(-6,-13)$	
12.	$(9,11)$	

16. Represent the relation shown in three ways.

A. T-Table



B. Mapping



C. Set of ordered pairs

17. What point lies on both the x-axis and y-axis? Name the ordered pair.

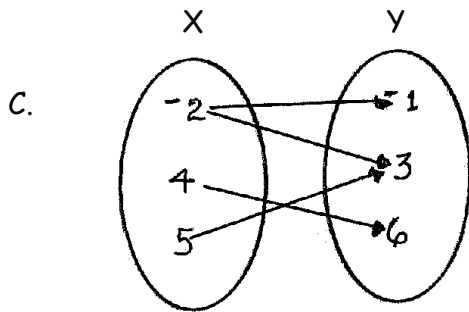
18. State the **domain** and the **range** of each relation below. Is the relation a function (yes or no)?

	Domain	Range	Function?
A			
B			
C			
D			

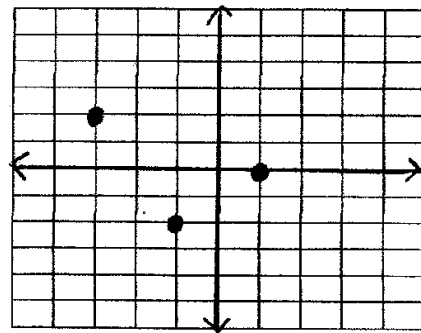
A. $\{(-2,3), (2,-1), (0,5)\}$

B.

X	Y
-2	2
11	-3
0	6
-2	-2



D.



Given the domain $\{-2,0,1\}$. Find the range for each equation.

19. $2y - x = 8$

$R = \{ \underline{\hspace{2cm}} \}$

20. $y = 3x + 2$

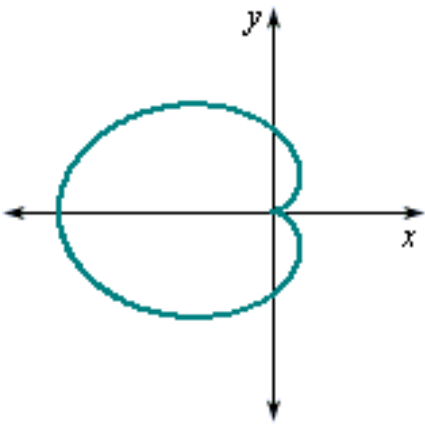
$R = \{ \underline{\hspace{2cm}} \}$

Find the following value of each function. Show your work.

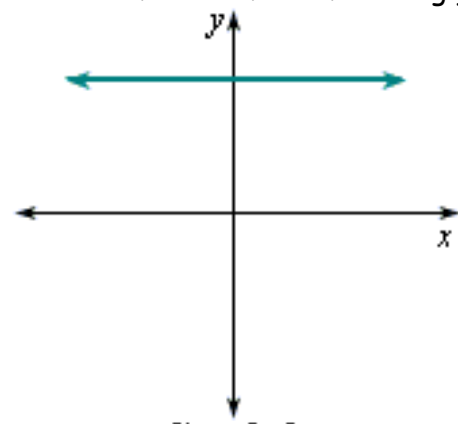
21. $f(x) = -\frac{1}{4}x + 1$, if $x = 4$

22. $g(x) = 4x^2 + 2$, if $x = 3$

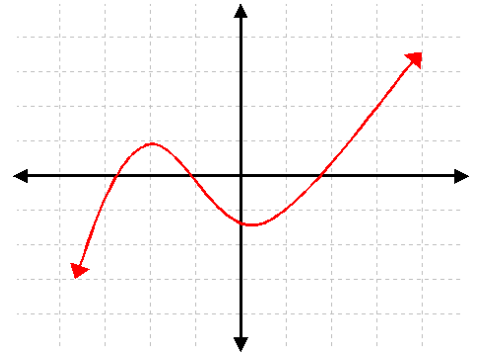
Use the Vertical-line test and determine if each of the following graphs is a graph of a function.



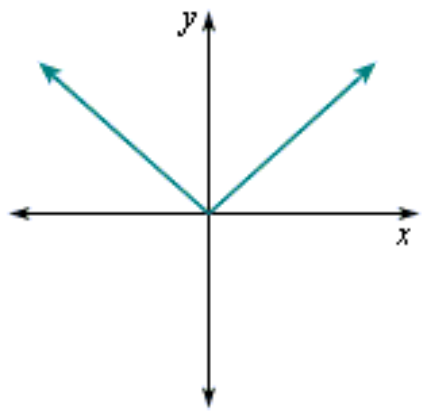
Graph 1



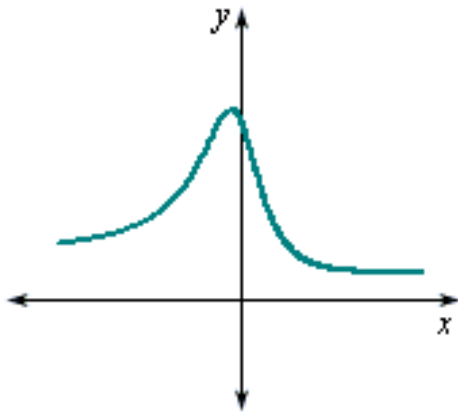
Graph 2



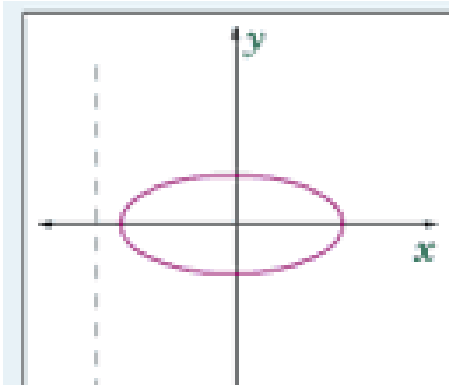
Graph 5



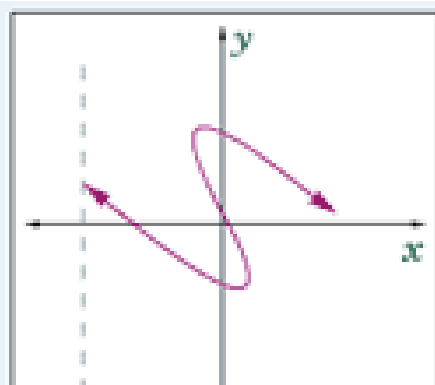
Graph 3



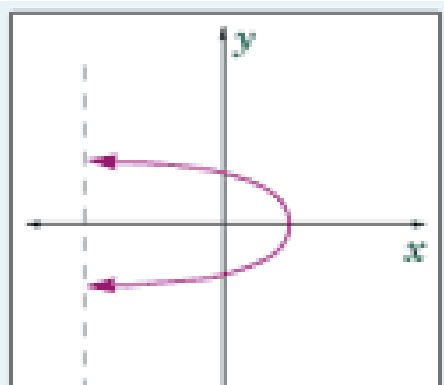
Graph 4



Graph 6



Graph 7



Graph 8