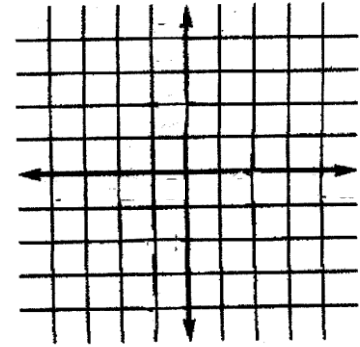


Name _____

Date _____

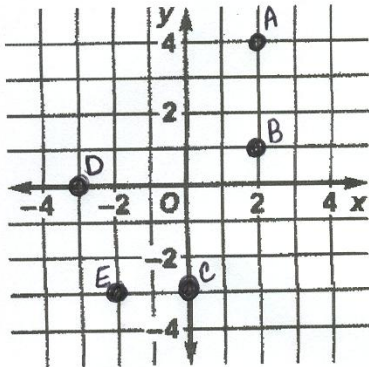
Review Relations and Functions

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 = { _____ }

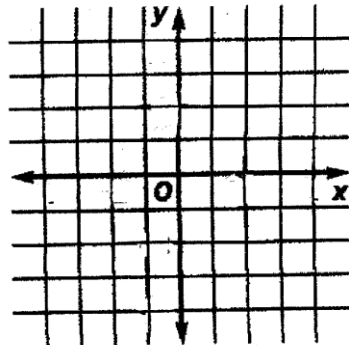
8. What is the **inverse** of the relation graphed?

I = { _____ }

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

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

17. $2y - x = 8$

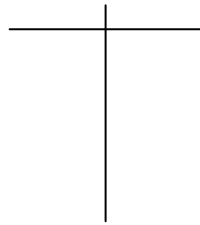
18. $y = 3x + 2$

R = { _____ }

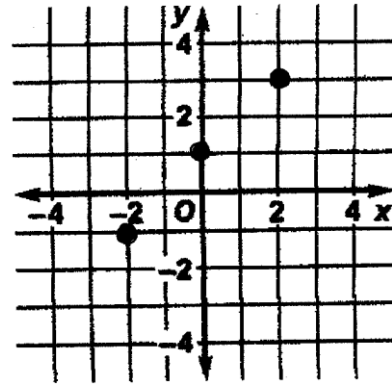
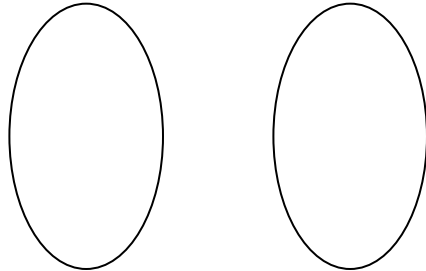
R = { _____ }

19. Represent the relation shown in three ways.

A. T-Table



B. Mapping



C. Set of ordered pairs

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

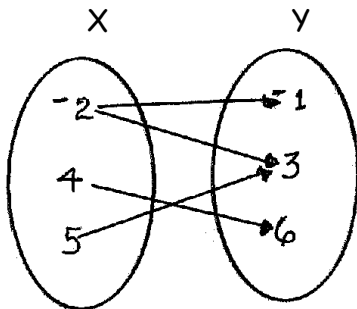
	Domain	Range	Function?
A			
B			
C			
D			

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

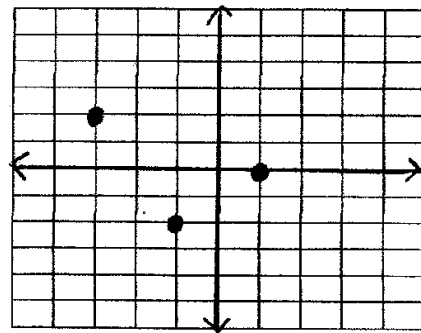
B.

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

C.



D.

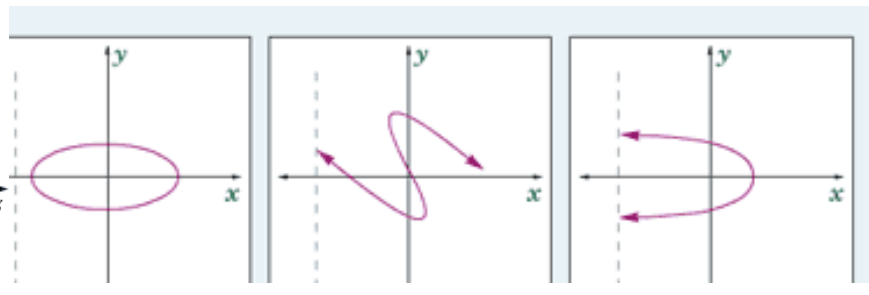
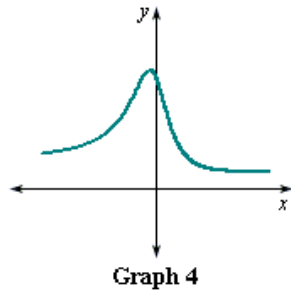
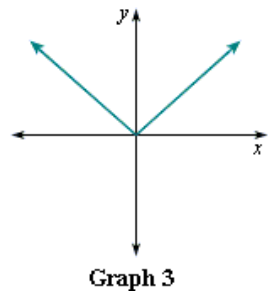
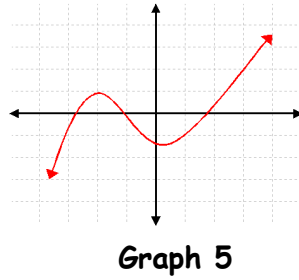
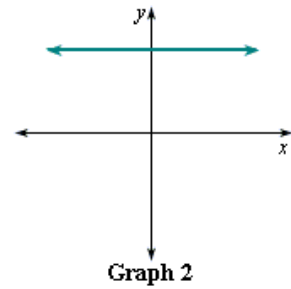
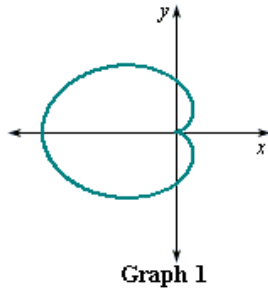


Find the following value of each function. Show your work.

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

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

22) Use the vertical-line test and determine if each of the following graphs are graphs of functions.

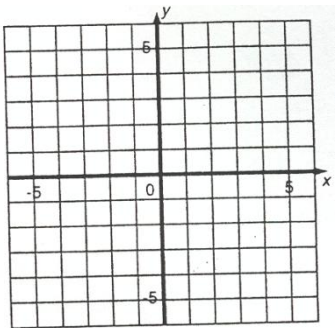


Graph each equation. Make a table with a domain of $\{-2, -1, 0, 1, \text{ and } 2\}$.

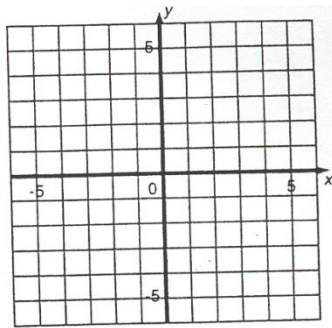
23. $y = -\frac{1}{2}x + 2$

24. $y = -3x$

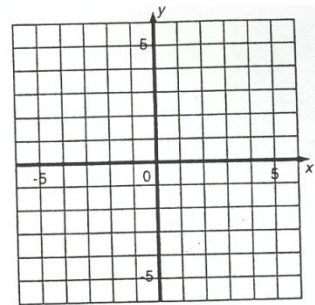
25. $2x + y = 2$



26. $y = |x| - 3$



27. $y = x^2 - 3$



28. $y = -2x + 2$

