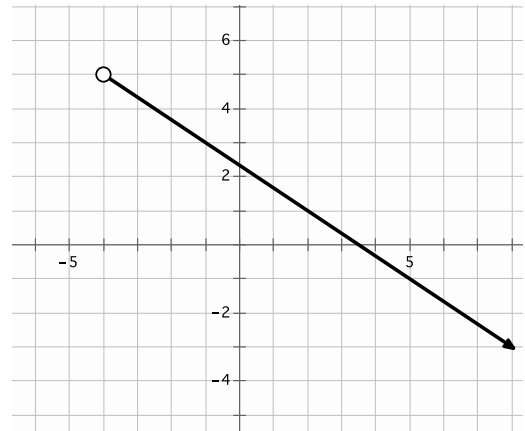*Use the graph to the right to answer the following questions.*
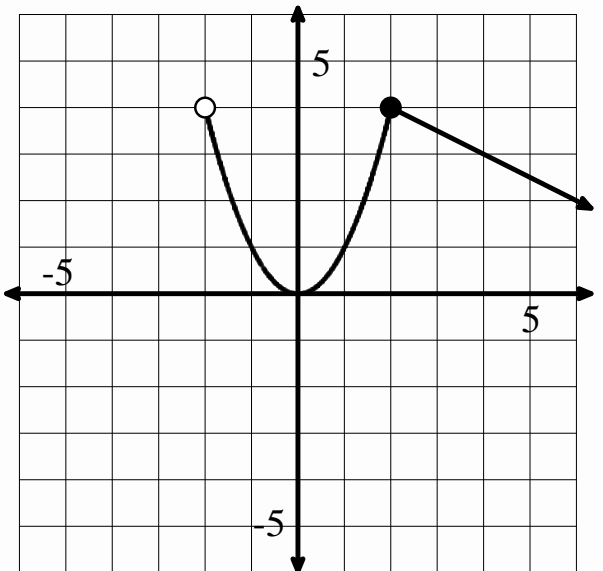
1. What is the domain of the function?

2. What is the range of the function?

3. Is there a defined minimum?

4. Is there a defined maximum?

5. Is the function increasing, decreasing, constant? Over what intervals?

6. Is the function continuous, discrete, or not continuous?

7. What are the x and y-intercepts?

8. Where is f(x) ≤ 0?   9. Where is f(x) > 1?

10. f(x) = 1, x = _____   11. f(5) = _____   12. f(x) = 5, x = _____

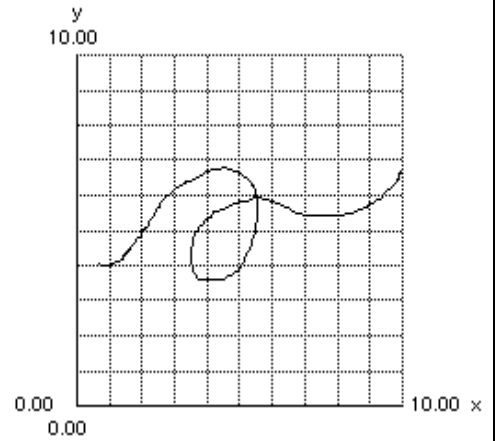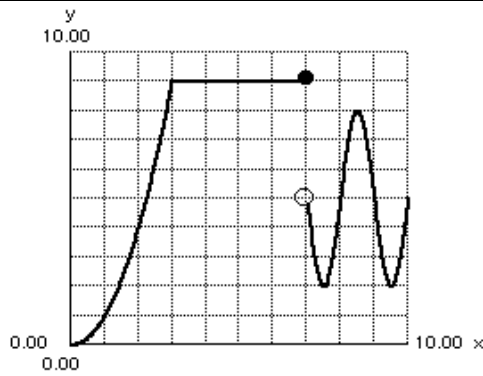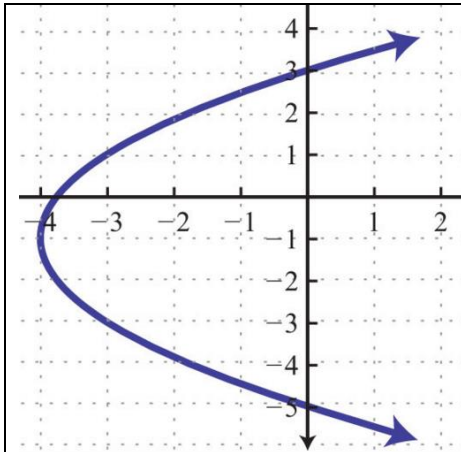*Use the graph to the right to answer the following questions.*

13. What is the domain?

14. What is the range?

15. Is there a defined minimum?

16. Is there a defined maximum?

17. Is the function increasing, decreasing, constant? Over what intervals?

18. Which of the following is *not* a typical feature of a function?
a. Domain   b. Where the function is increasing

c. The scale of the graph   d. The maximum value

19. Which of the following are functions?

Time (s)	Height (m)
0	7
2	10
4	5
6	0
7	0
8	3

x	3	2	1	0	1	2	3
y	1	-2	2	4	-3	-2	-1

x	y
1	0
3	4
5	8
7	12
7	16

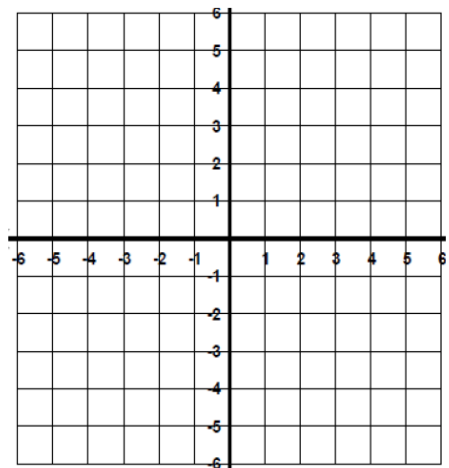Use the discrete table to the right to answer the following questions.

20. What is the domain?

21. What is the range?

Time (s)	Height (m)
0	7
2	10
4	5
6	0
7	0
8	3

Sketch a graph of a function with the following features.

- Domain of (-4, 3]
- Maximum of 6
- f(1) = 2

Describe all features of the functions below from the following:
Domain, range, minimum, maximum, increasing, decreasing.
Use interval notation when necessary. Try making a different representation of the equation if you are getting stuck.

f(x) = 4x - 2

Domain	Range	Minimum
Maximum	Increasing	Decreasing

g(x)=8(0.5)^x

Domain	Range	Minimum
Maximum	Increasing	Decreasing

h(x) = 3x²

Domain	Range	Minimum
Maximum	Increasing	Decreasing

j(x) = -5

Domain	Range	Minimum
Maximum	Increasing	Decreasing