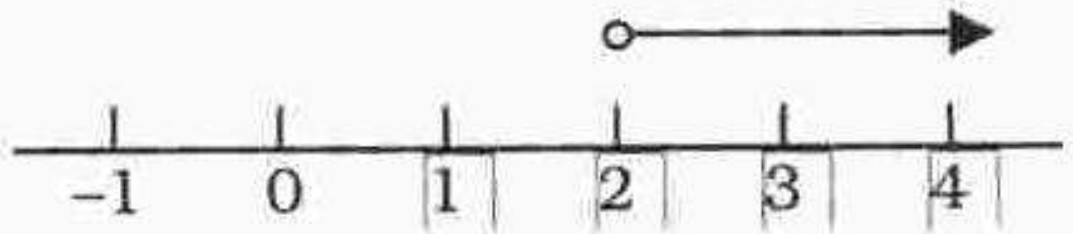
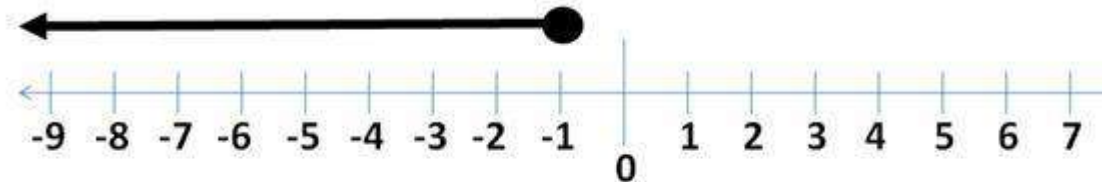
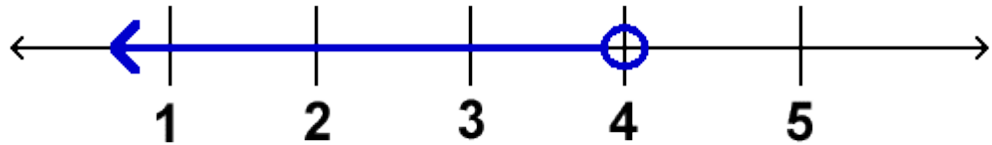
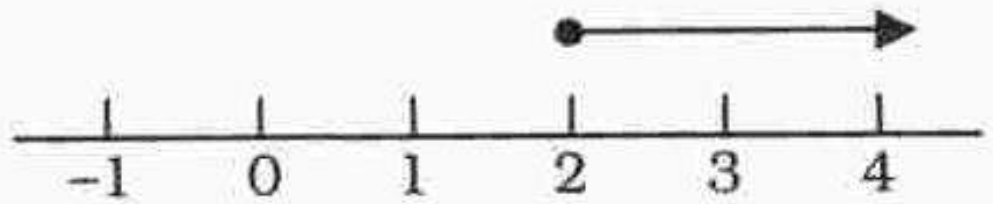


Analysis of Functions

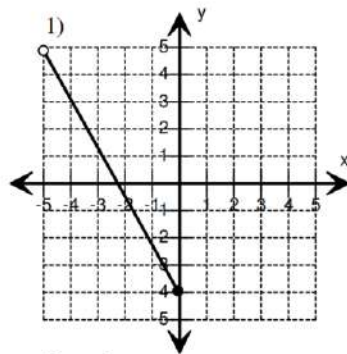
Determine the domain for each number line given below



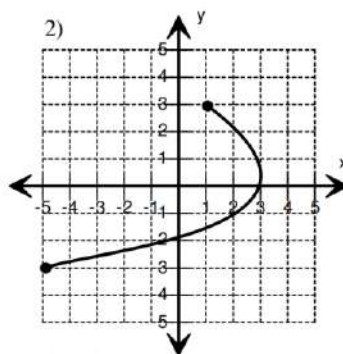


Domain and Range

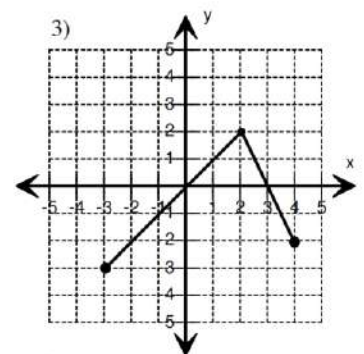
Find the Domain and Range for each graph.



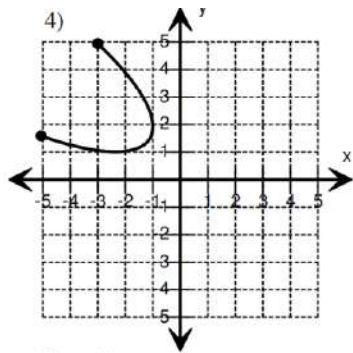
Domain : _____
Range : _____



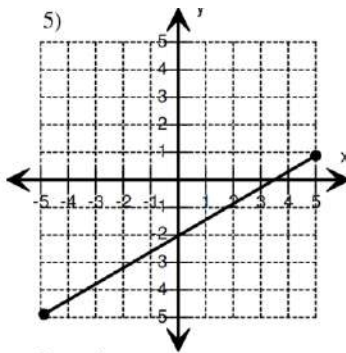
Domain : _____
Range : _____



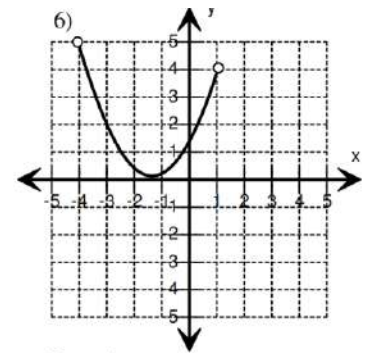
Domain : _____
Range : _____



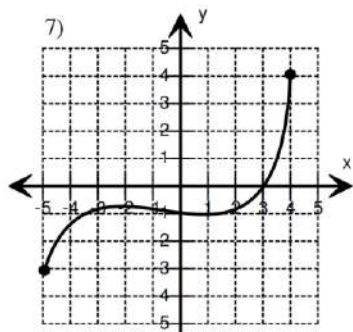
Domain : _____
Range : _____



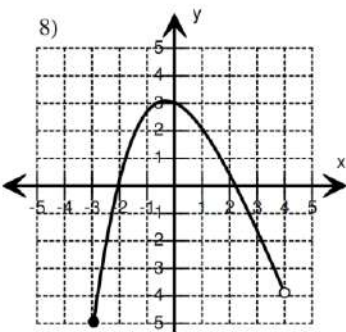
Domain : _____
Range : _____



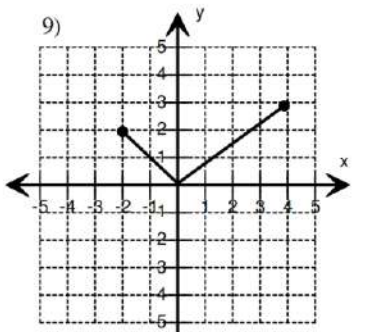
Domain : _____
Range : _____



Domain : _____
Range : _____



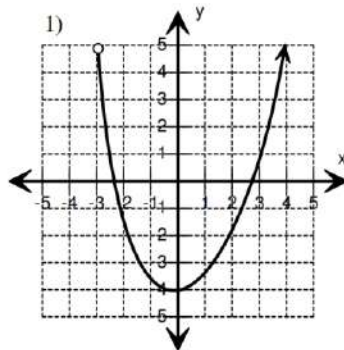
Domain : _____
Range : _____



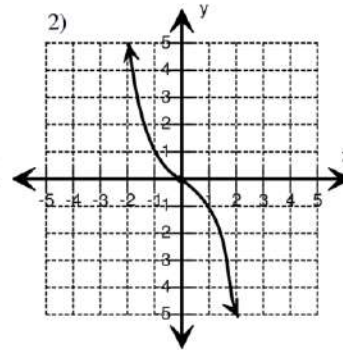
Domain : _____
Range : _____

Domain and Range

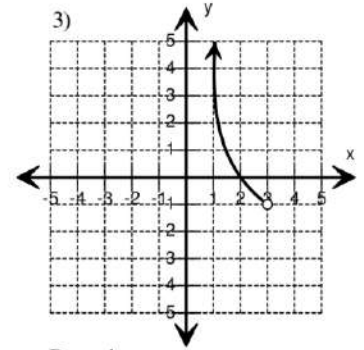
Find the Domain and Range for each graph.



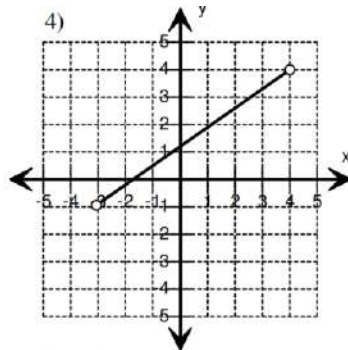
Domain : _____
Range : _____



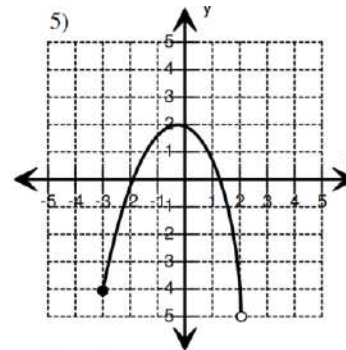
Domain : _____
Range : _____



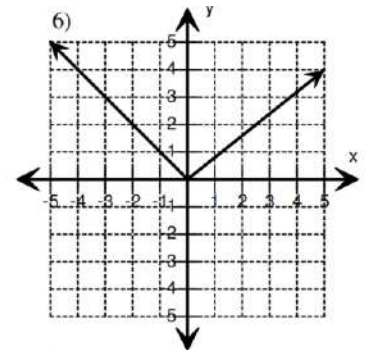
Domain : _____
Range : _____



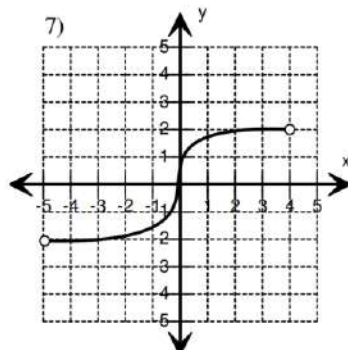
Domain : _____
Range : _____



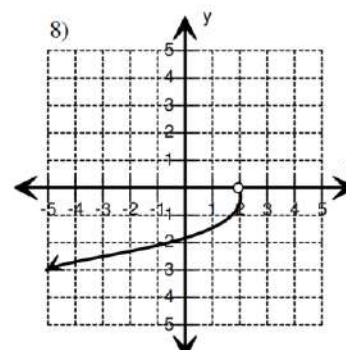
Domain : _____
Range : _____



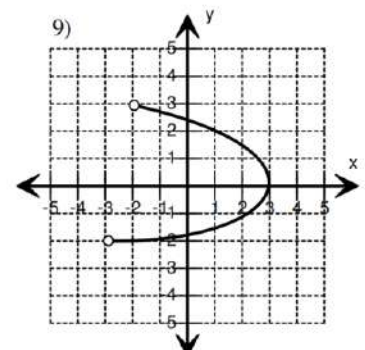
Domain : _____
Range : _____



Domain : _____
Range : _____



Domain : _____
Range : _____



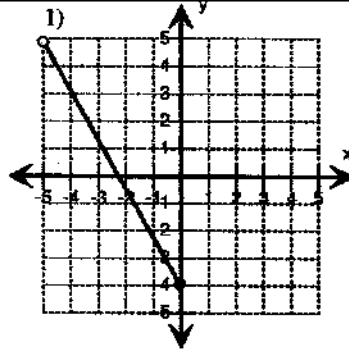
Domain : _____
Range : _____

Name: _____

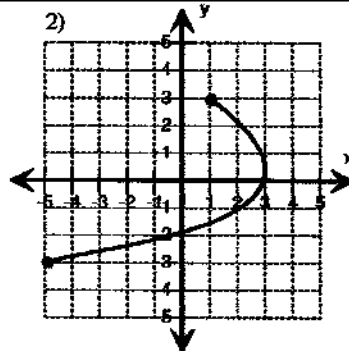
Score: _____

Intercepts

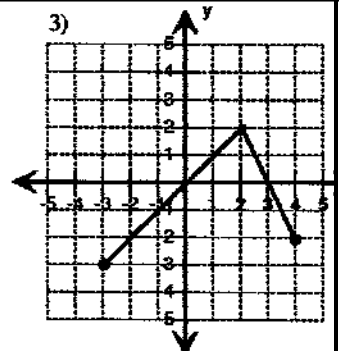
Directions: For each graph find the x-intercept and the y-intercept.



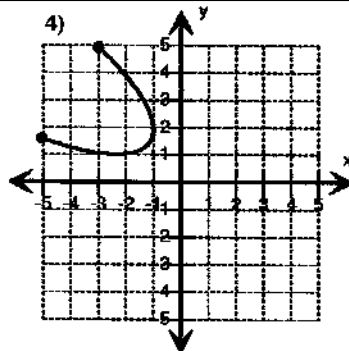
x-intercept:
y-intercept:



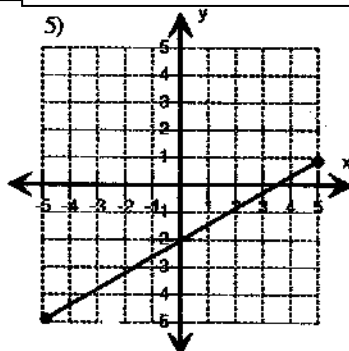
x-intercept:
y-intercept:



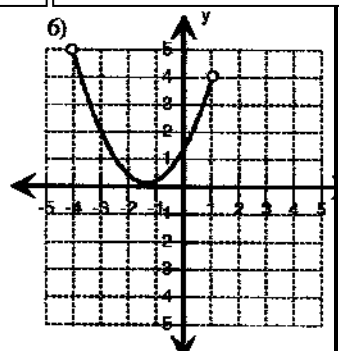
x-intercept:
y-intercept:



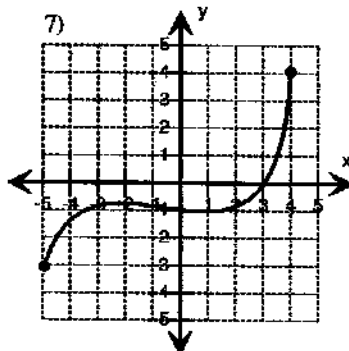
x-intercept:
y-intercept:



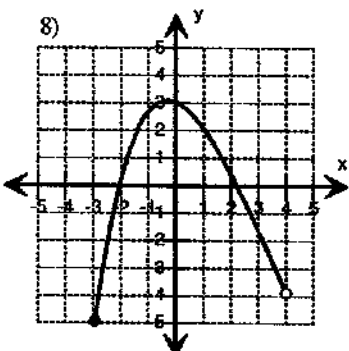
x-intercept:
y-intercept:



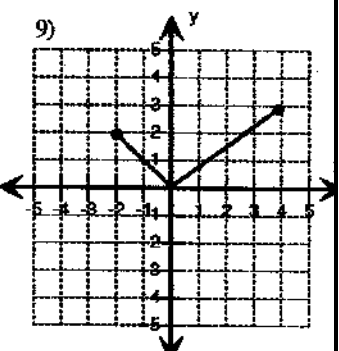
x-intercept:
y-intercept:



x-intercept:
y-intercept:



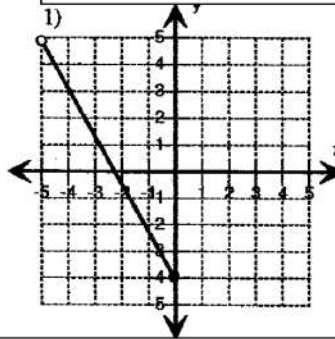
x-intercept:
y-intercept:



x-intercept:
y-intercept:

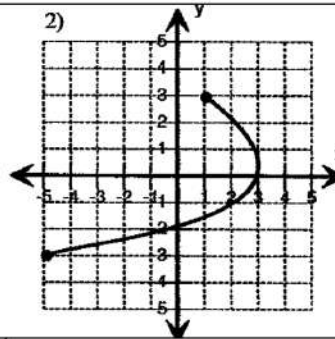
Maximums and Minimums

Directions: For each graph find the absolute maximum and minimum.



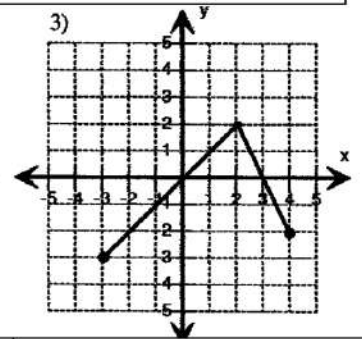
Maximum:

Minimum:



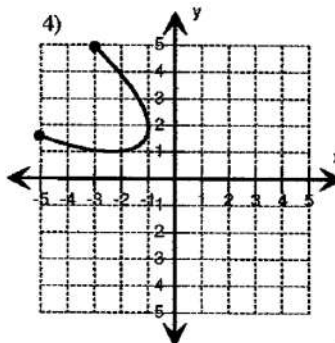
Maximum:

Minimum:



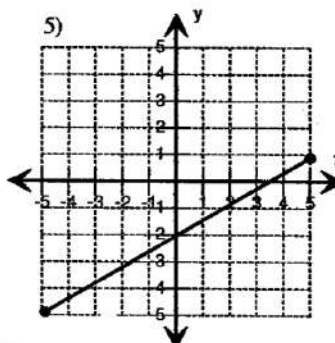
Maximum:

Minimum:



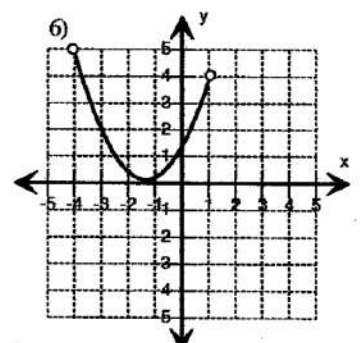
Maximum:

Minimum:



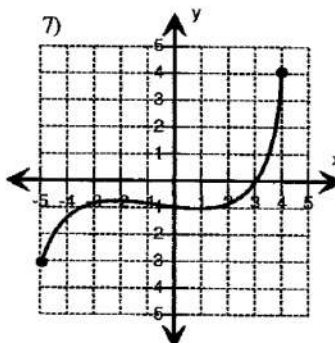
Maximum:

Minimum:



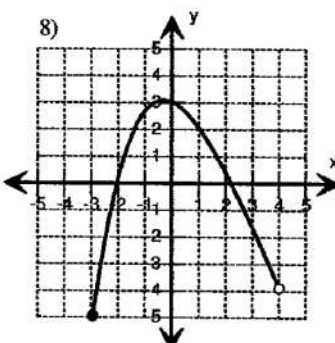
Maximum:

Minimum:



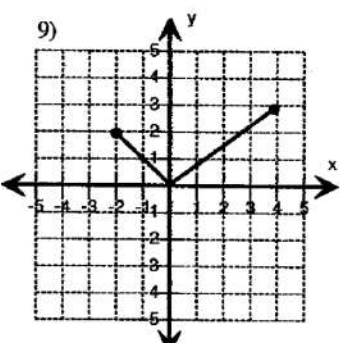
Maximum:

Minimum:



Maximum:

Minimum:

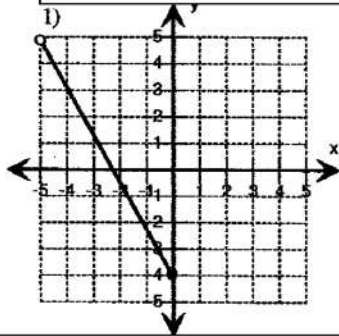


Maximum:

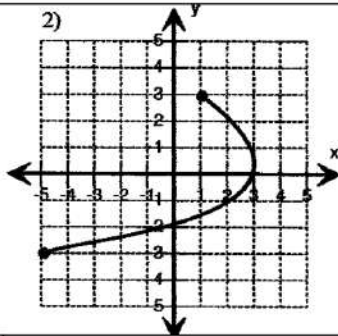
Minimum:

Intervals of Increase and Decrease

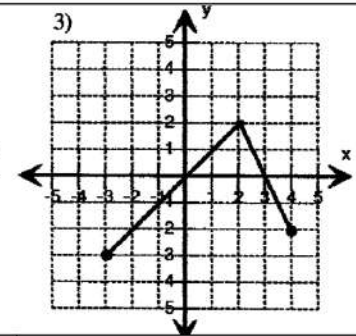
Directions: For each graph that is a function, find the intervals of increase and decrease.



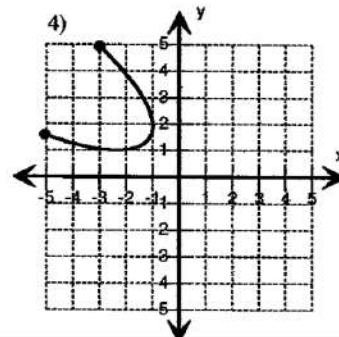
Increase: _____
Decrease: _____



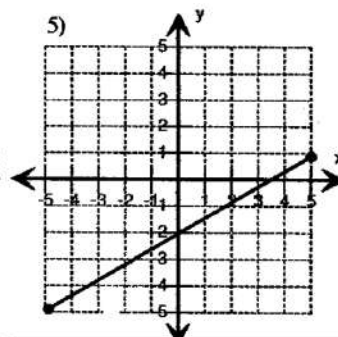
Increase: _____
Decrease: _____



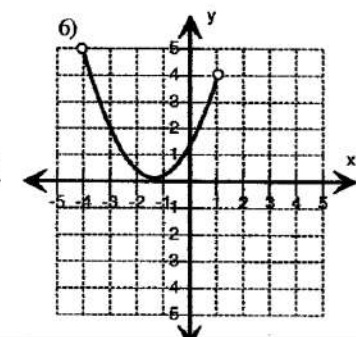
Increase: _____
Decrease: _____



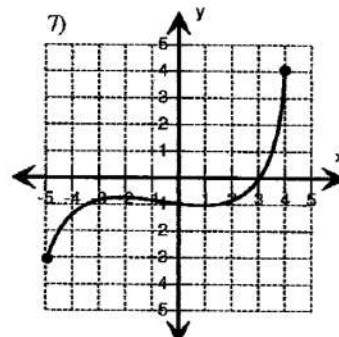
Increase: _____
Decrease: _____



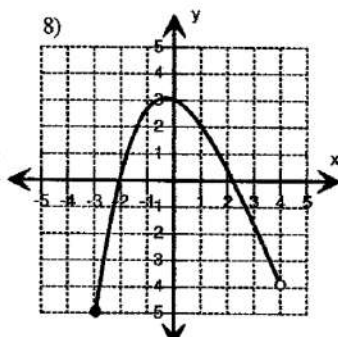
Increase: _____
Decrease: _____



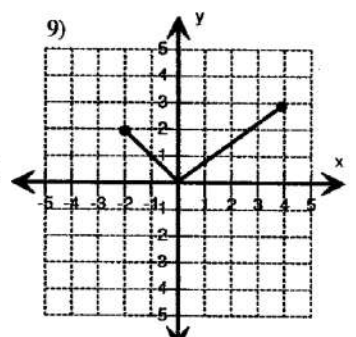
Increase: _____
Decrease: _____



Increase: _____
Decrease: _____



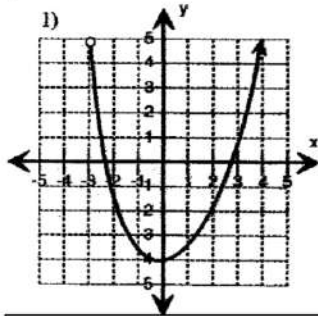
Increase: _____
Decrease: _____



Increase: _____
Decrease: _____

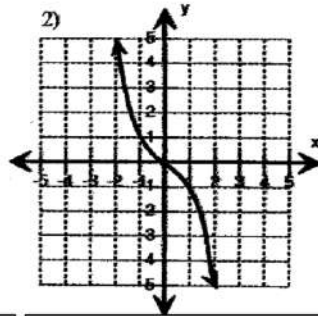
Intervals of Increase and Decrease

Directions: For each graph that is a function, find the intervals of increase and decrease.



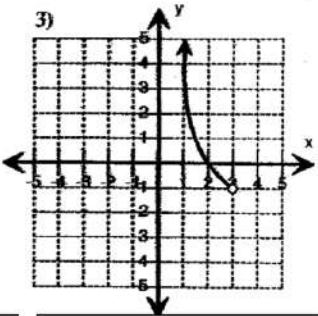
Increase:

Decrease:



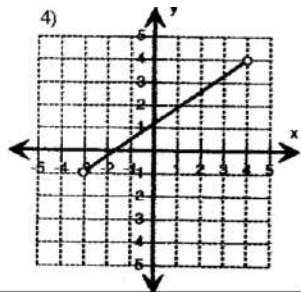
Increase:

Decrease:



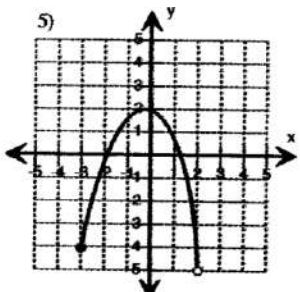
Increase:

Decrease:



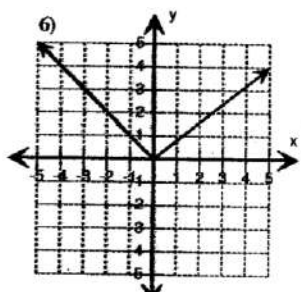
Increase:

Decrease:



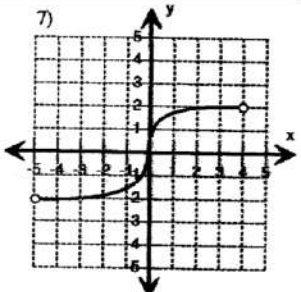
Increase:

Decrease:



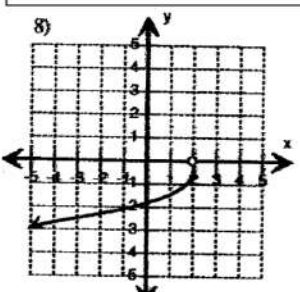
Increase:

Decrease:



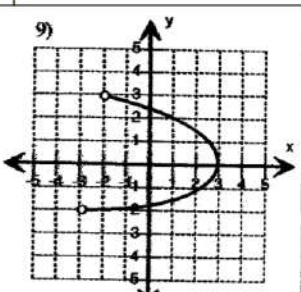
Increase:

Decrease:



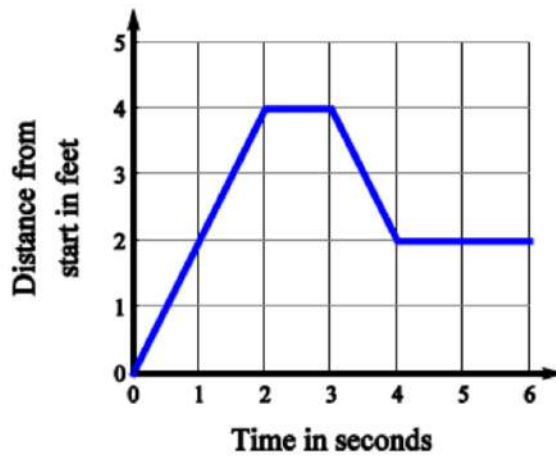
Increase:

Decrease:



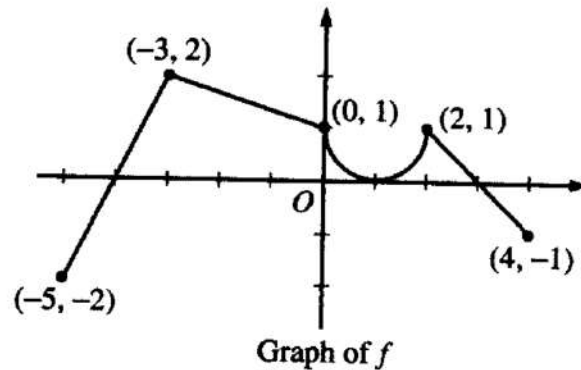
Increase:

Decrease:

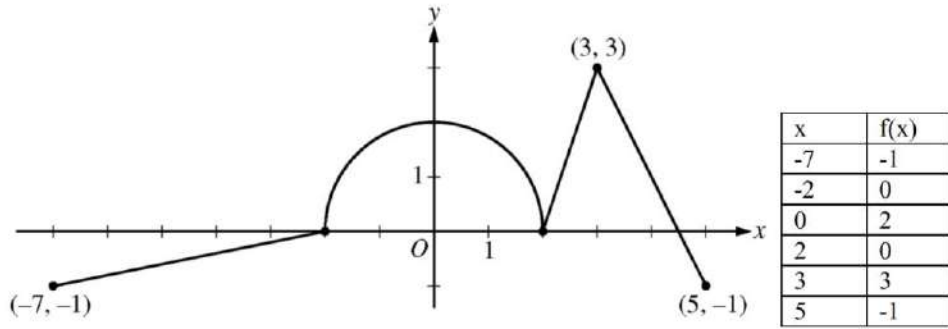


1. Find $d(0) =$
2. Find $d(1) =$
3. Find $d(4) =$
4. Find $d(t) = 0$
5. Find $d(t) = 3$
6. Find $d(t) = 2$

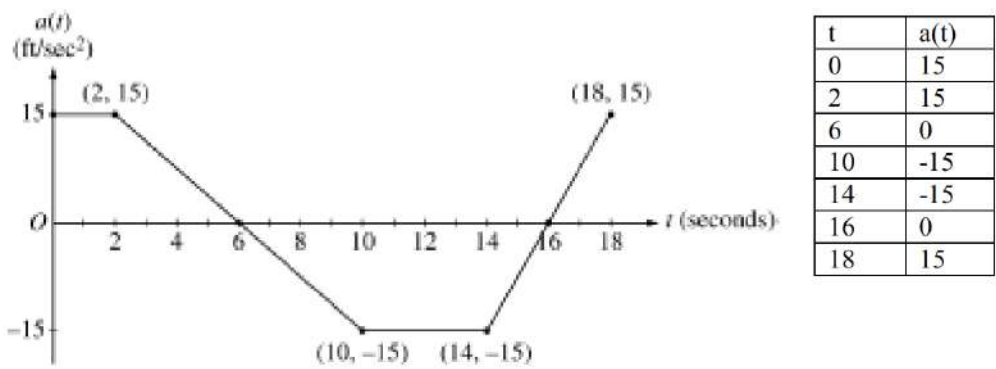
Determine the function values by looking at the graphs below.



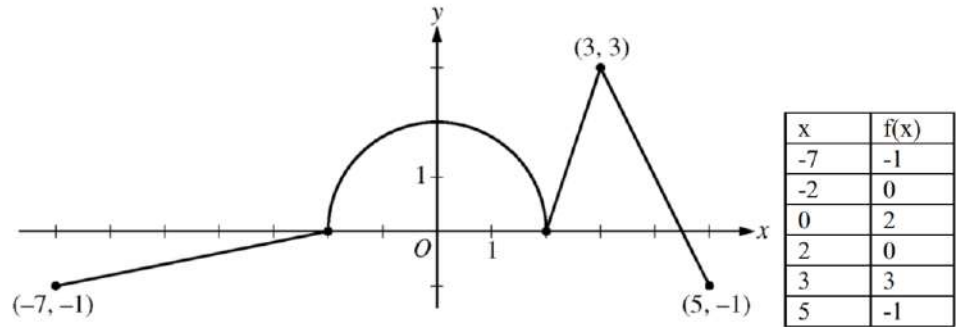
1. Find $f(0) =$
2. Find $f(-3) =$
3. Find $d(2) =$
4. Find $f(x) = -2$
5. Find $f(x) = 1$
6. Find $f(x) = 0$



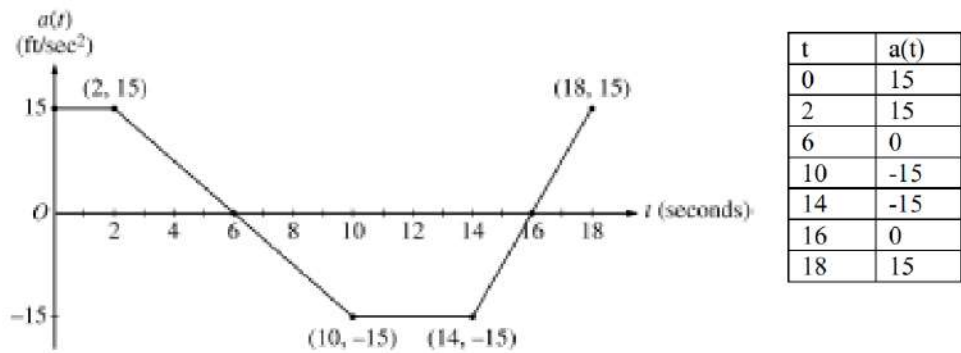
1. What is the domain of $f(x)$?
2. What is the range of $f(x)$?



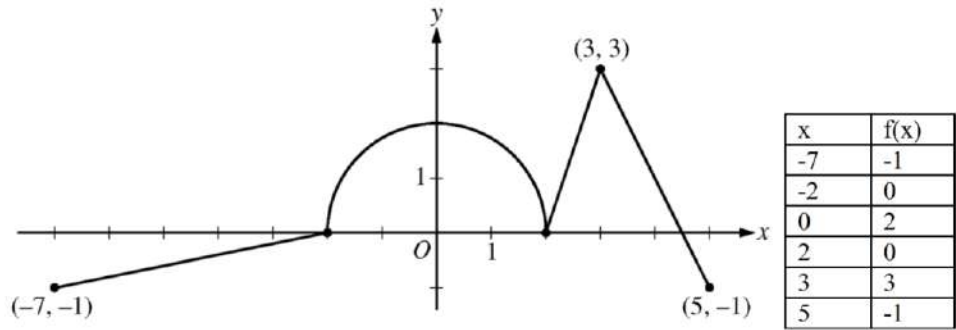
1. What is the domain of $a(t)$?
2. What is the range of $a(t)$?



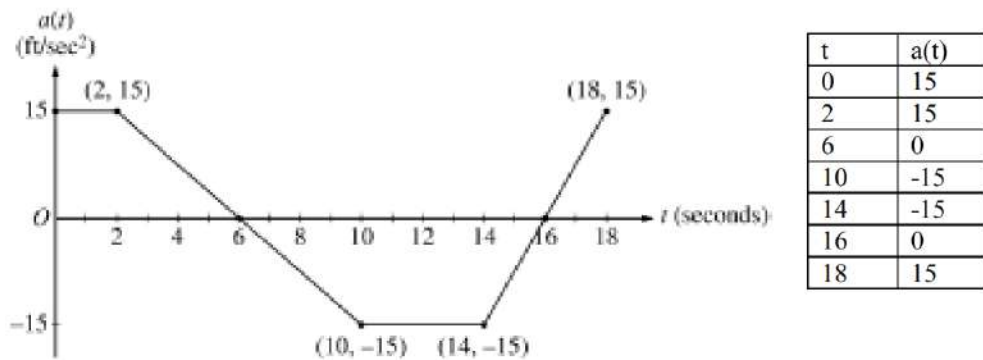
1. What are the coordinates of the point where $f(x)$ has an absolute maximum value?
2. What are the coordinates of the point where $f(x)$ has an absolute minimum value?
3. Find the x-intercept.
4. Find the y-intercept.



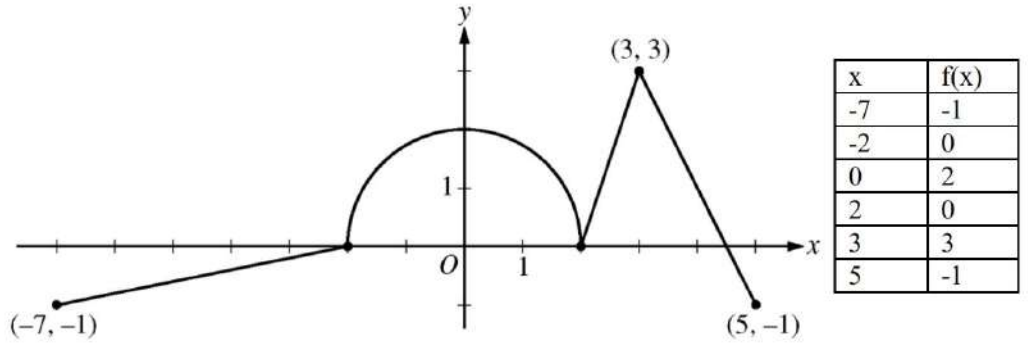
1. What are the coordinates of the point where $a(t)$ has an absolute maximum value?
2. Find the x-intercept.
3. What are the coordinates of the point where $a(t)$ has an absolute minimum value?
4. Find the y-intercept.



1. Is $f(x)$ continuous?
2. On what interval is $f(x)$ constant?
3. On what intervals is $f(x)$ increasing?
4. On what intervals is $f(x)$ decreasing?

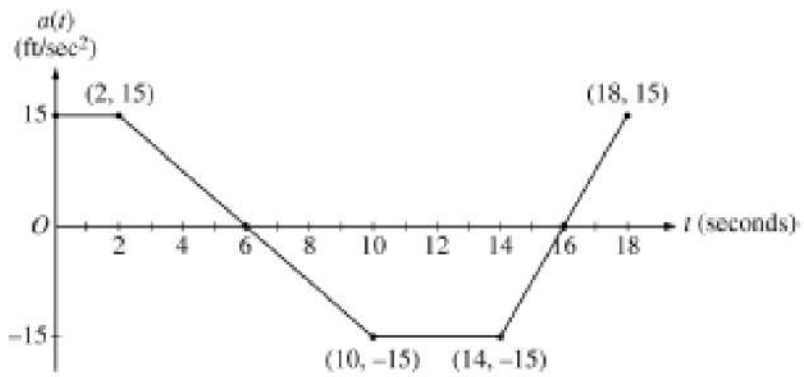


1. Is $a(t)$ continuous?
2. On what interval is $a(t)$ constant?
3. On what intervals is $a(t)$ increasing?
4. On what intervals is $a(t)$ decreasing?



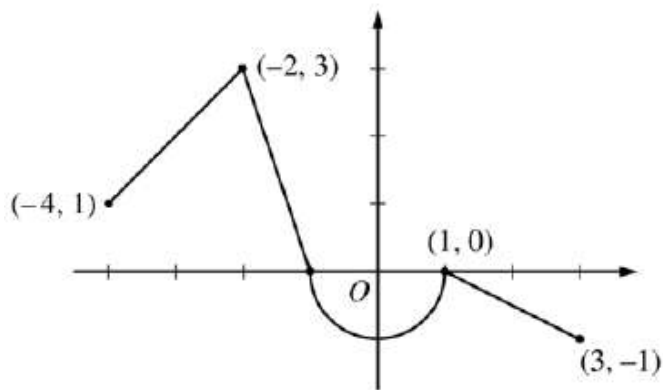
1. For what values is $f(x) < 0$?

2. For what values is $f(x) > 0$?



1. For what values is $f(x) < 0$?

2. For what values is $f(x) > 0$?



Graph of f

1. Determine if the graph of $f(x)$ is a function? Justify your answer?
2. What is the value of $f(-1)$?
3. What is the value of $f(0)$?
4. What is the value of x when $f(x) = 3$?
5. What is the value of x when $f(x) = -1$?
6. What are the coordinates of the point where $f(x)$ has an absolute maximum value?
7. What are the coordinates of the point where $f(x)$ has an absolute minimum value?
8. Is $f(x)$ continuous?
9. On what interval is $f(x)$ constant?
10. On what intervals is $f(x)$ increasing?
11. On what intervals is $f(x)$ decreasing?
12. For what values is $d(t) > 0$?
13. Find the average rate of change between $x = -2$ and $x = 1$.
14. For what values is $d(t) \leq 0$?
15. Give the x -intercept(s) of $f(x)$.
16. Give the y -intercept(s) of $f(x)$.
17. What is the domain of $f(x)$?
18. What is the range of $f(x)$?

