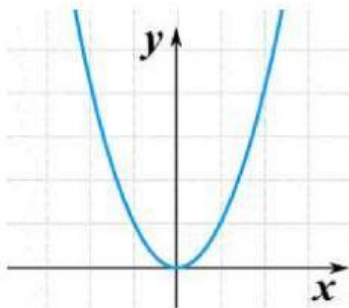


1.

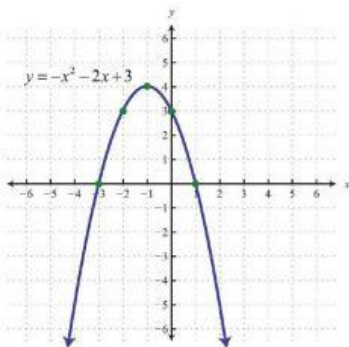


Does the graph have a maximum or minimum?

- a) minimum
- c) maximum

- b) neither
- d) both

2.

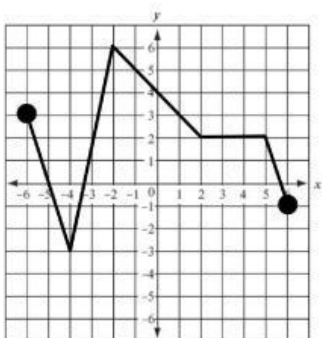


Does the graph have a maximum or minimum?

- a) both
- c) neither

- b) max
- d) min

3.

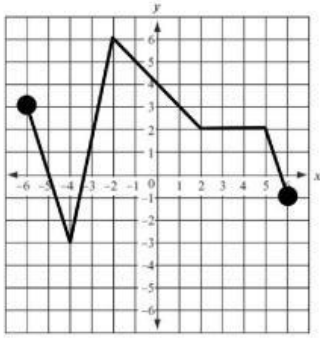


Find the x-intercept(s) of the graph shown.
(Pick all answers that apply)

- a) (-3.3, 0)
- c) (0, 4)

- b) (-5, 0)
- d) (5.6, 0)

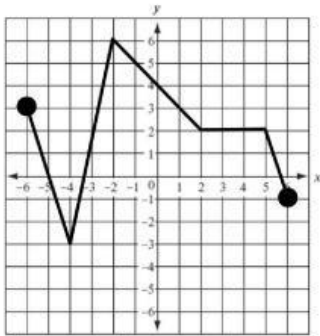
4.



Find the y-intercept(s) of the graph shown.

- a) $(-5, 0)$ b) $(-3.3, 0)$
 c) $(0, 4)$ d) $(5.6, 0)$

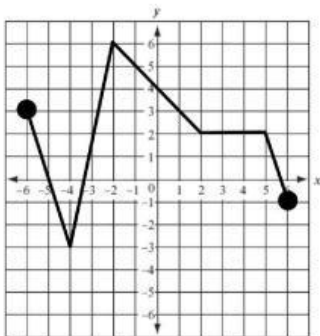
5.



Find the interval(s) of increase of the graph shown.

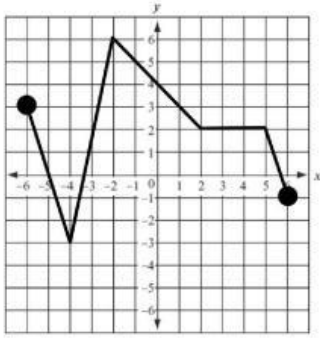
- a) $(-6, -4)$ b) $(-4, -2)$
 c) $(5, 6)$ d) $(2, 5)$
 e) $(-2, 2)$

6.

Find the interval(s) of decrease of the graph shown.
(There is more than one answer)

- a) $(-4, -2)$ b) $(-6, -4)$
 c) $(5, 6)$ d) $(2, 5)$
 e) $(-2, 2)$

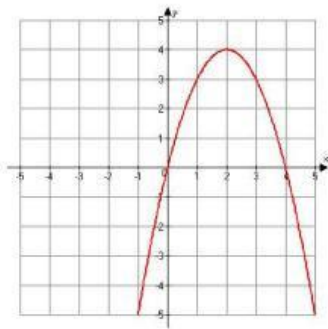
7.



Find the interval(s) where the graph remains constant.

- a) $(-6, -4)$
- b) $(-2, 2)$
- c) $(-4, -2)$
- d) $(5, 6)$
- e) $(2, 5)$

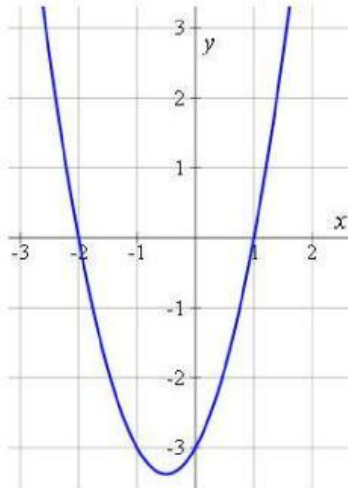
8.



What are the zeros?

- a) 2 and 3
- b) 0 and 2
- c) 0 and 4
- d) -4 and 0

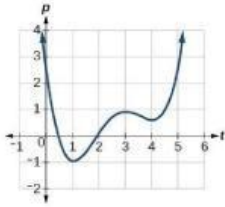
9.



What is the minimum of this graph?

- a) $(-0.5, -3.5)$
- b) $(3, 0)$
- c) $(-2, 6)$
- d) $(-1, -3)$

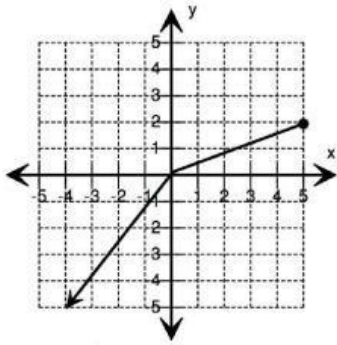
10.



How many roots does the function have?

- a) 1 b) 3
c) None d) 2

11.



Where is the function increasing?

- a) $[0,2]$ b) $(-\infty, 0]$
c) $(-\infty, 5]$ d) $(-\infty, 2]$

12.

x	y
-2	3
-1	5
0	7
1	9
2	11

What is the y-intercept?

- a) (0,0) b) (0,7)
c) (1,9) d) (2,11)

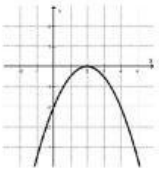
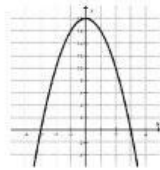
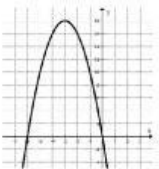
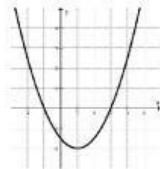
13.

x	y
0	-3
4	-2
8	-1
12	0
16	1
20	2

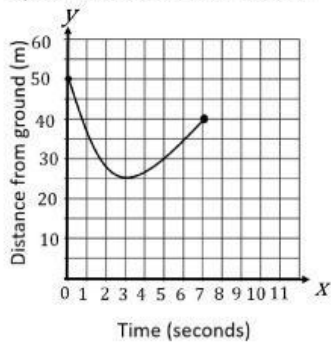
What is the x-intercept?

- a) (0,0) b) (8,-1)
c) (12,0) d) (0,-3)

14. Which function has a maximum at (2, 0)?

- a)  b) 
c)  d) 

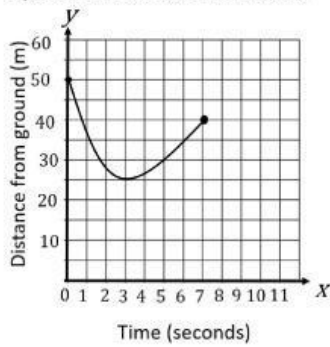
15. Spiderman Distance from Ground



What is the interval of increase?

- a) From 3 to 7 b) From 50 to 25
c) From 0 to 3 d) From 25 to 40

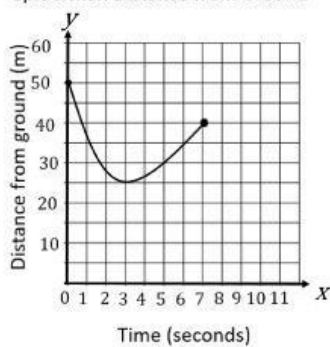
16. Spiderman Distance from Ground



What is the interval of decrease?

- a) From 25 to 40
b) From 3 to 7
c) From 50 to 25
d) From 0 to 3

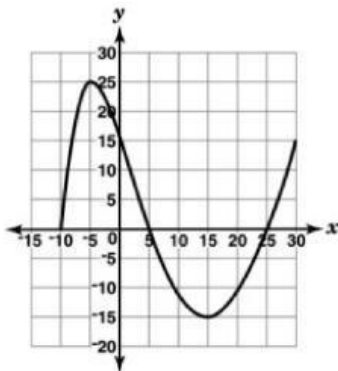
17. Spiderman Distance from Ground



Let's call the graph $f(x)$. Find $f(5) =$ ____

- a) 35
b) 30
c) 25
d) 40

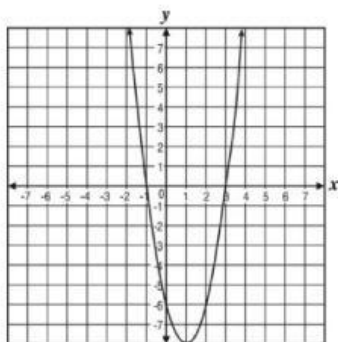
18.



Look at the function that is graphed, what are the maximum and minimum values of this function?

- a) maximum 30, minimum -10
b) maximum 15, minimum -5
c) maximum 25, minimum -10
d) maximum 25, minimum -15

19.

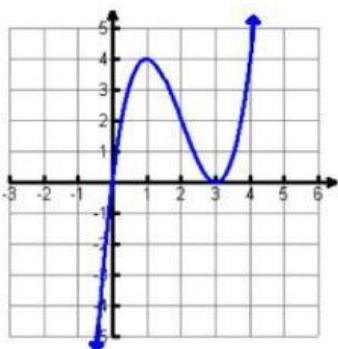


What are the roots of the function?

- a) -1 and -3
c) -6, -1, and -3

- b) 3
d) -6

20.



Identify the relative maximum:

- a) (1, 4)
c) (0, 3)

- b) (3, 0)
d) (4, 1)