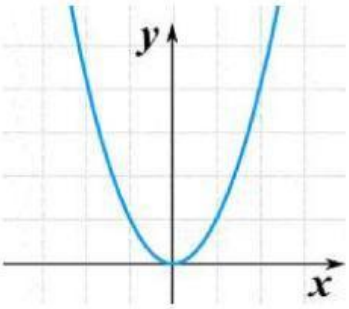
1.




Does the graph have a maximum or minimum?

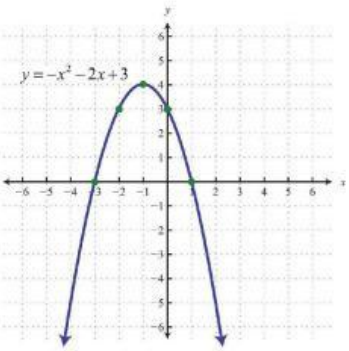
a) minimum

b) neither

c) maximum

d) both

2.




Does the graph have a maximum or minimum?

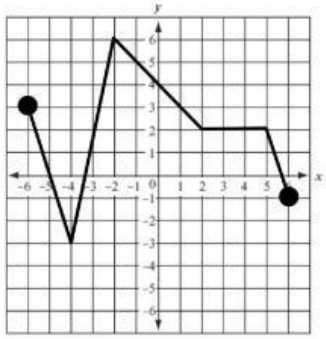
a) both

b) max

c) neither

d) min

3.



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

a) (-3.3, 0)

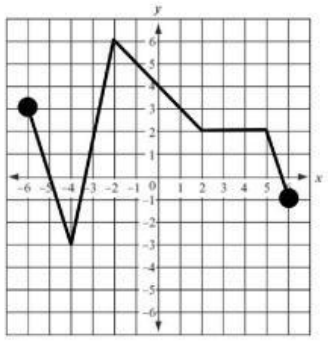
b) (-5, 0)

c) (0, 4)

d) (5.6, 0)

LIVEWORKSHEETS

4.



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

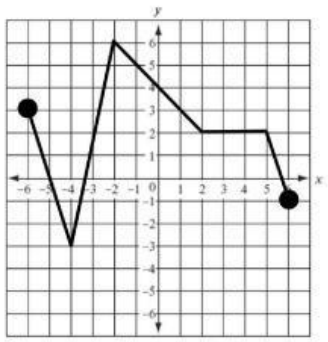
a) (-5, 0)

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)

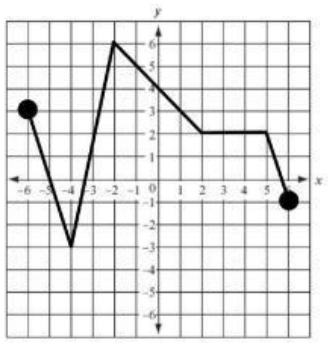
b) (-4, -2)

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)

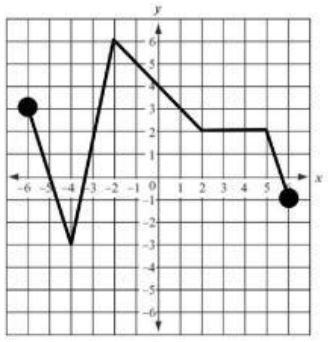
d) (2, 5)

e) (-2, 2)



LIVEWORKSHEETS

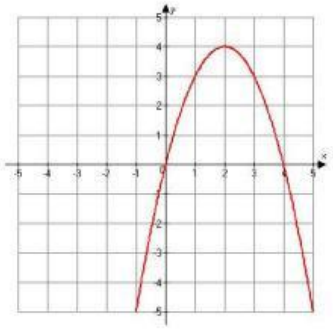
7.



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

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

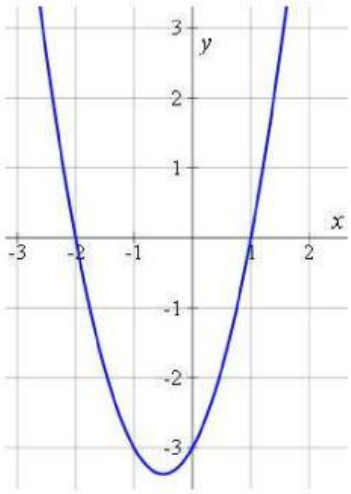
8.



What are the zeros?

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

9.

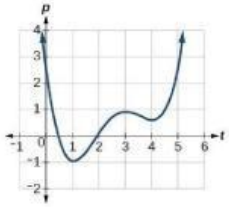



What is the minimum of this graph?

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


LIVEWORKSHEETS

10.




How many roots does the function have?

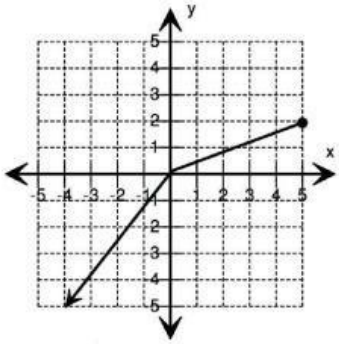
a) 1

b) 3

c) None

d) 2

11.




Where is the function increasing?

a) [0,2]

b) (-∞,0]

c) (-∞,5]

d) (-∞,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)



LIVEWORKSHEETS

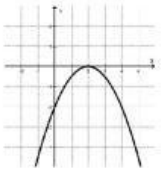
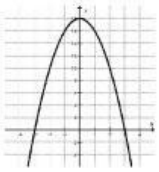
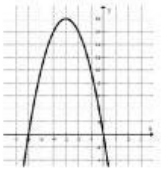
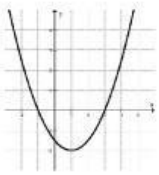
13.

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

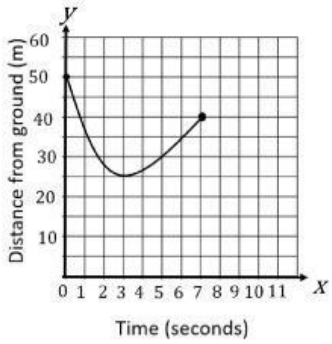
What is the x-intercept?

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

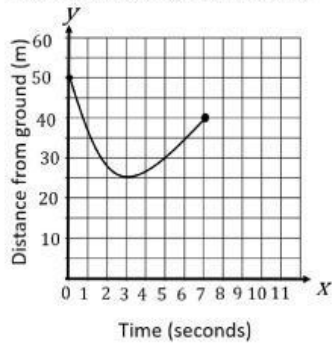



What is the interval of increase?

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


LIVEWORKSHEETS

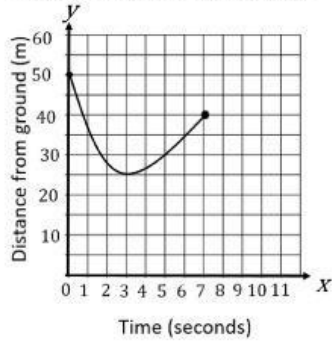
16. Spiderman Distance from Ground




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

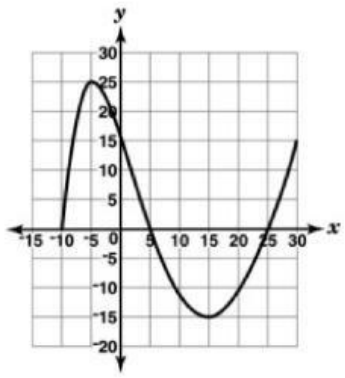
17. Spiderman Distance from Ground




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

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

18.

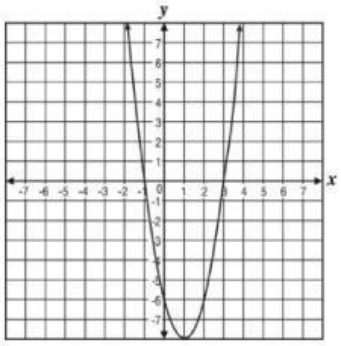



Look at the function that is graphed, what are the maximum and minimum values of this function?

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


LIVEWORKSHEETS

19.



What are the roots of the function?

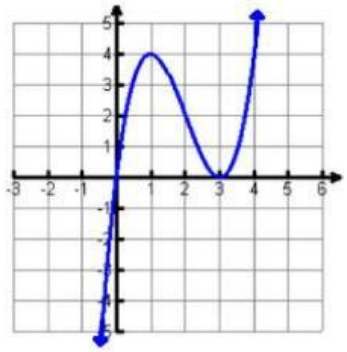
a) -1 and -3

b) 3

c) -6, -1, and -3

d) -6

20.



Identify the relative maximum:

a) (1, 4)

b) (3, 0)

c) (0, 3)

d) (4, 1)



LIVEWORKSHEETS