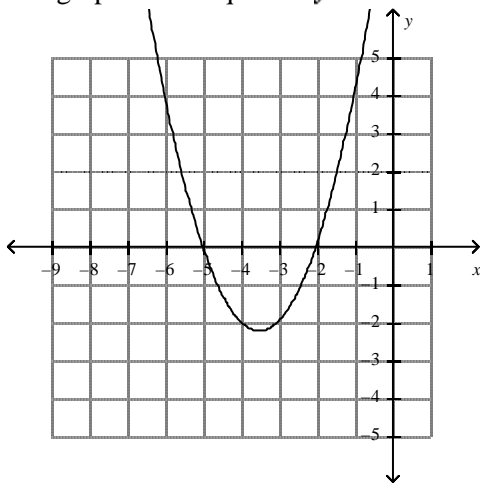


# CA Algebra 1 Standard 21.0

## MULTIPLE CHOICE

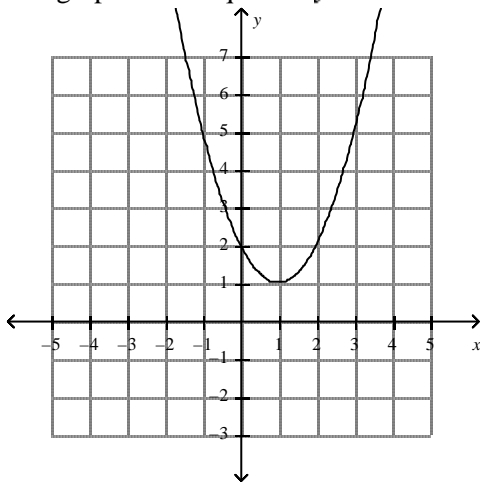
1. The graph of the equation  $y = x^2 + 7x + 10$  is shown below.



For what value or values of  $x$  is  $y = 0$ ?

- A.  $x = 2$  and  $x = 5$   
B.  $x = -5$  and  $x = 2$   
C.  $x = -5$  and  $x = -2$   
D.  $x = -5$  only

2. The graph of the equation  $y = x^2 - 2x + 2$  is shown below.

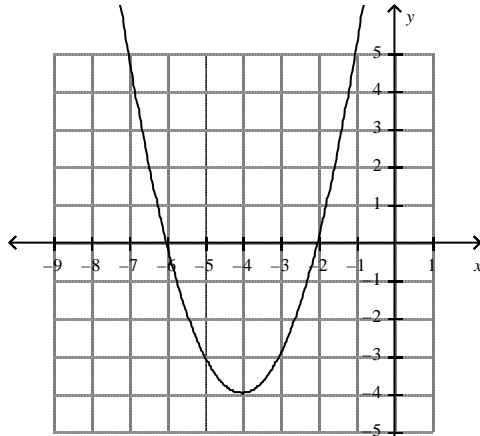


For which value or values of  $x$  is  $y = 0$ ?

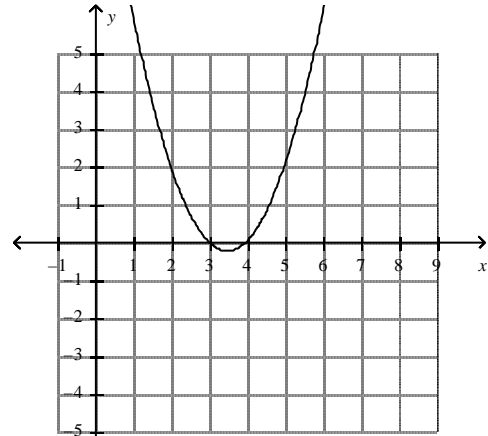
- A.  $x = 2$  only  
B.  $x = 1$  only  
C.  $x = 0$  and  $x = 2$   
D. there are no values of  $x$  when  $y = 0$

3. Which is the graph of the quadratic equation  $y = x^2 + 7x + 12$ ?

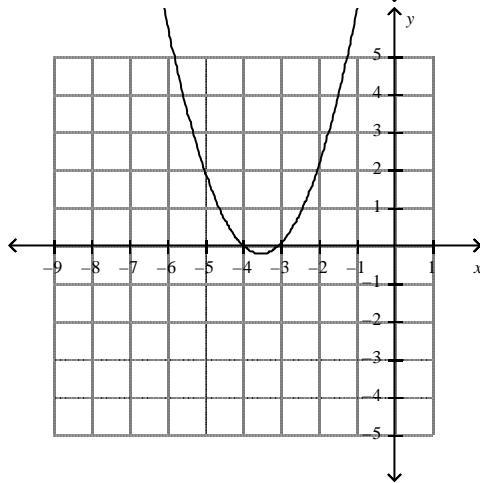
A.



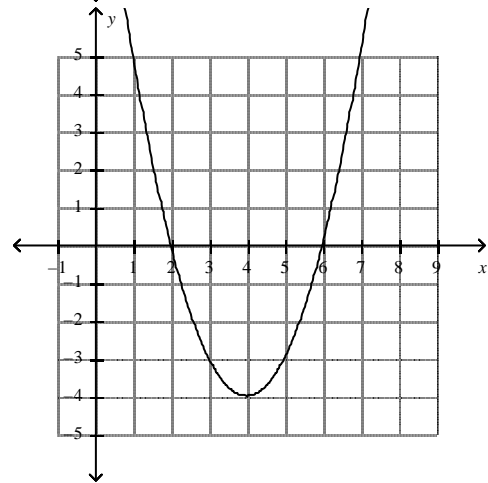
C.



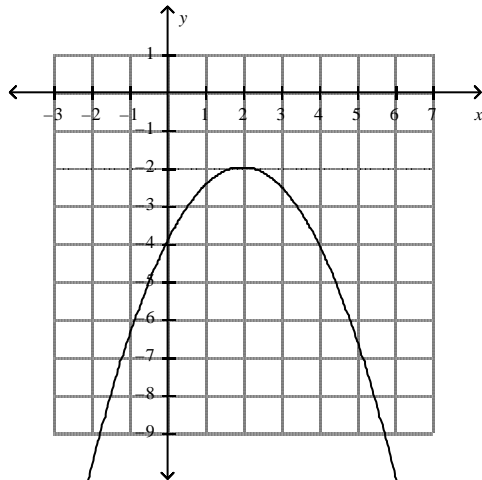
B.



D.



4. The graph of the equation  $y = -\frac{2}{3}x^2 - 5x + 2$  is shown below.

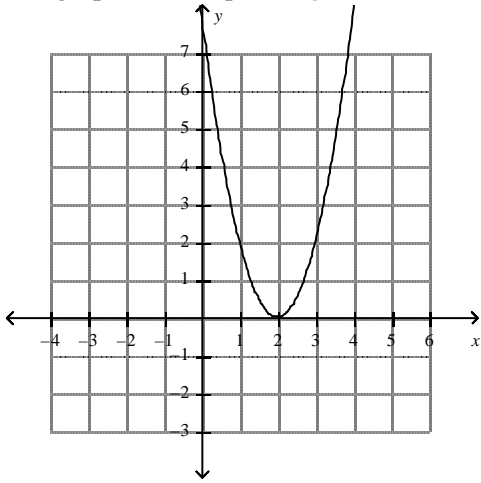


For what value or values of  $x$  is  $y = 0$ ?

- A.  $x = -4$  and  $x = 4$   
 B.  $x = 2$  only

- C.  $x = 0$  and  $x = 4$   
 D. there are no values of  $x$  when  $y = 0$

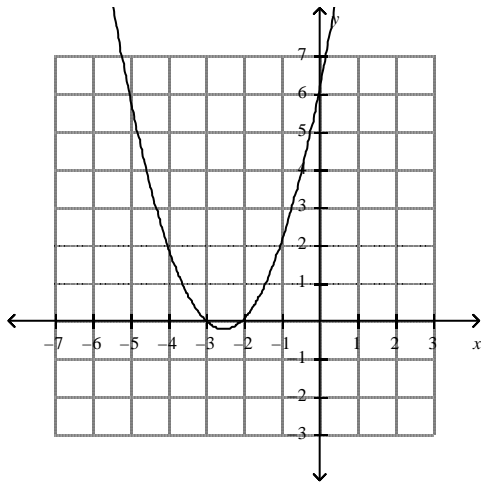
5. The graph of the equation  $y = 2x^2 - 8x + 8$  is shown below.



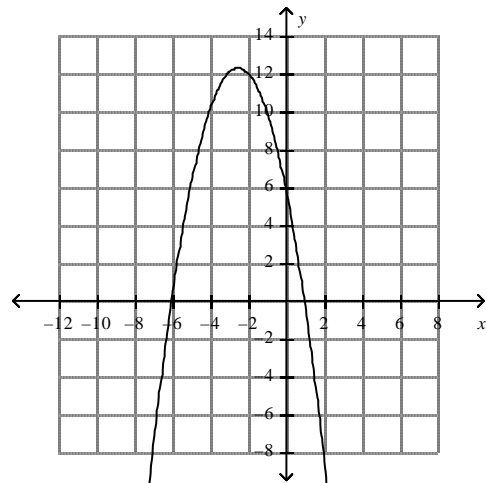
For which value or values of  $x$  is  $y = 0$ ?

- A.  $x = 0$  and  $x = 4$   
 B.  $x = 0$  only  
 C.  $x = 2$  only  
 D.  $x = 4$  only
6. Which is the graph of the quadratic equation  $y = -x^2 + 5x + 6$ ?

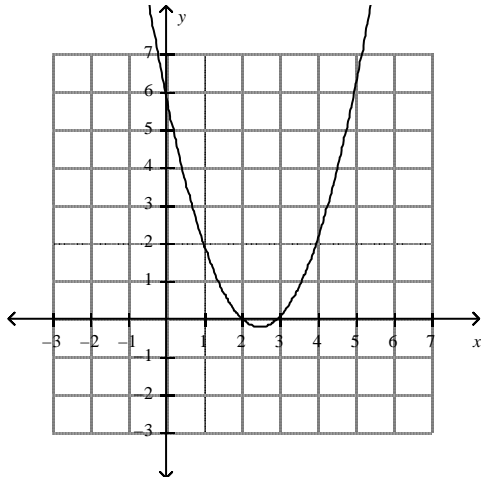
A.



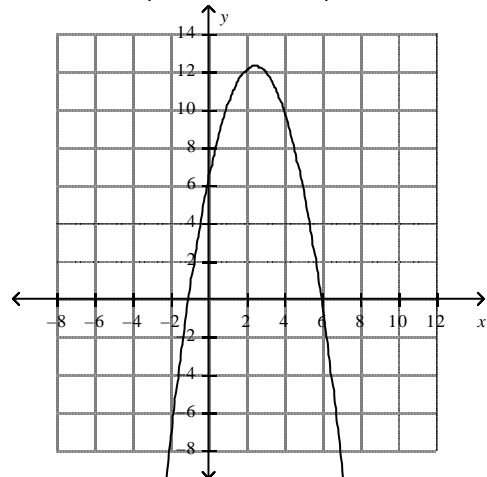
C.



B.

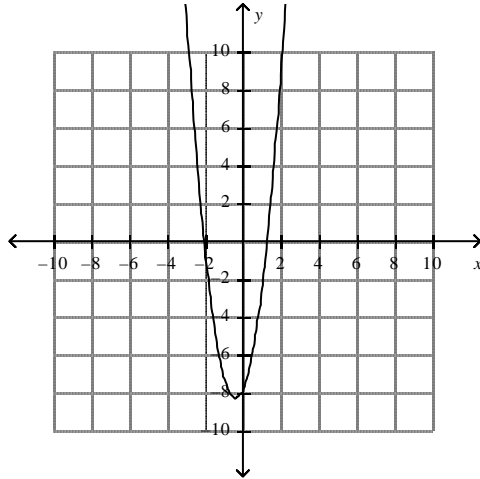


D.

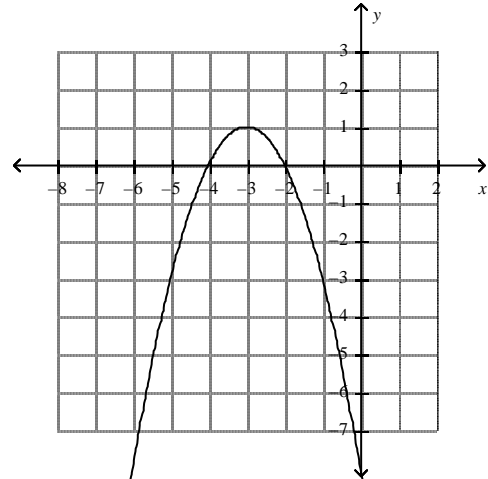


7. Which is the graph of the quadratic equation  $y = 3x^2 + 2x - 8$ ?

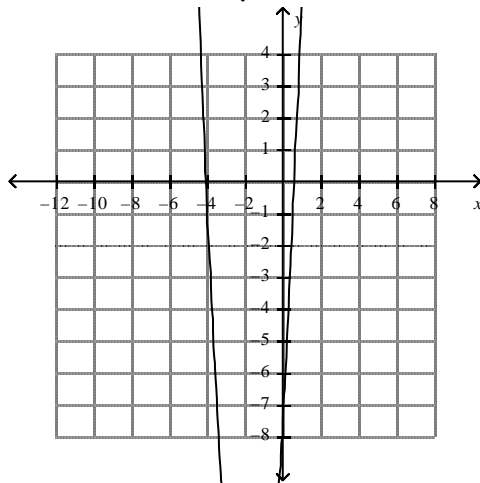
A.



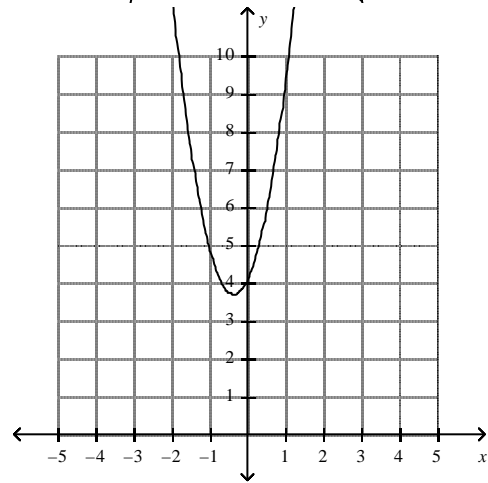
C.



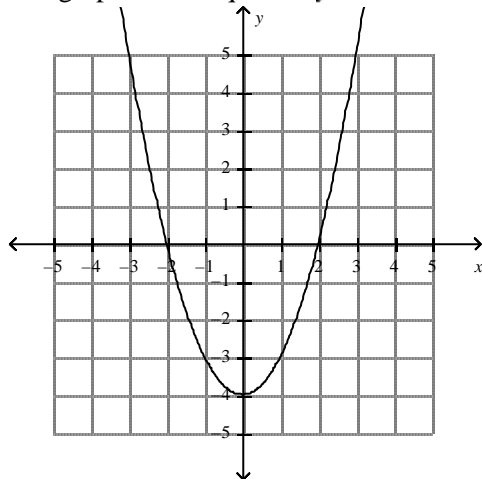
B.



D.



8. The graph of the equation  $y = x^2 - 4$  is shown below.



For what value or values of  $x$  is  $y = 0$ ?

A.  $x = -4$  only

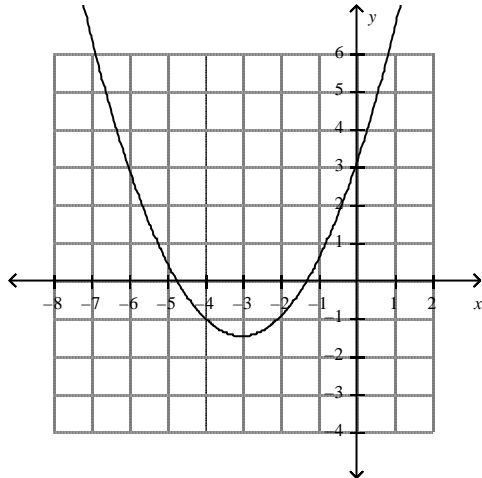
B.  $x = -4$  and  $x = 2$

C.  $x = -2$  and  $x = 2$

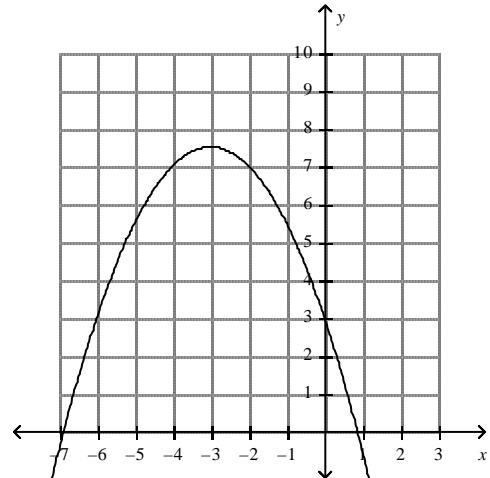
D.  $x = -2$  only

9. Which is the graph of the quadratic equation  $y = \frac{1}{2}x^2 - 3x + 3$ ?

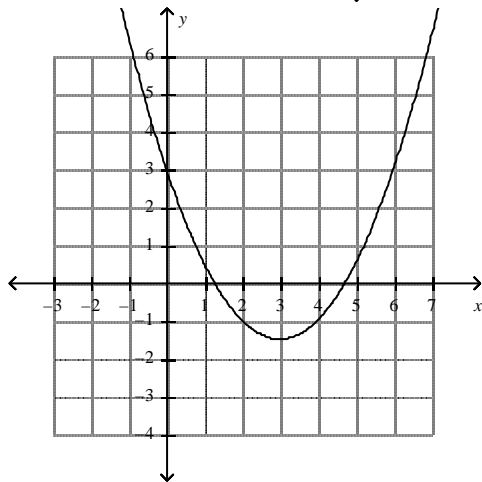
A.



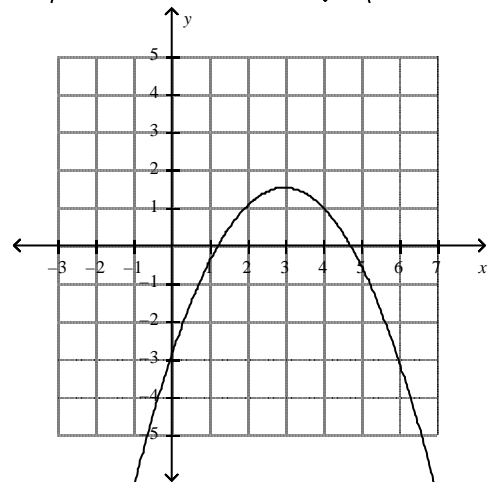
C.



B.

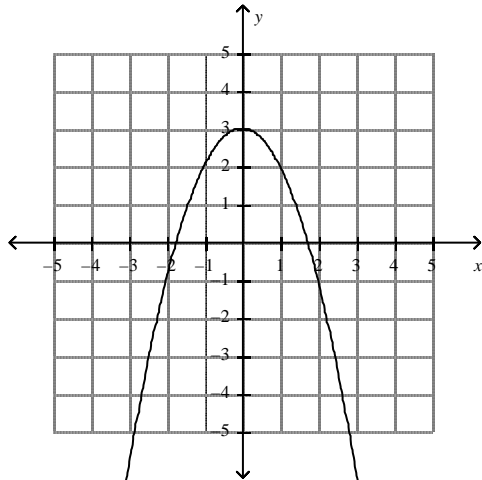


D.

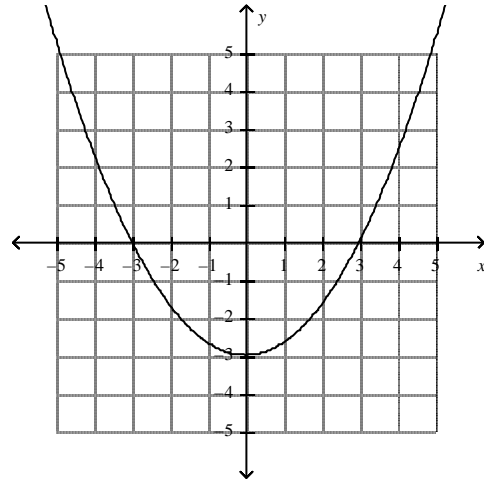


10. Which is the graph of quadratic equation  $y = -\frac{1}{3}x^2 + 3$ ?

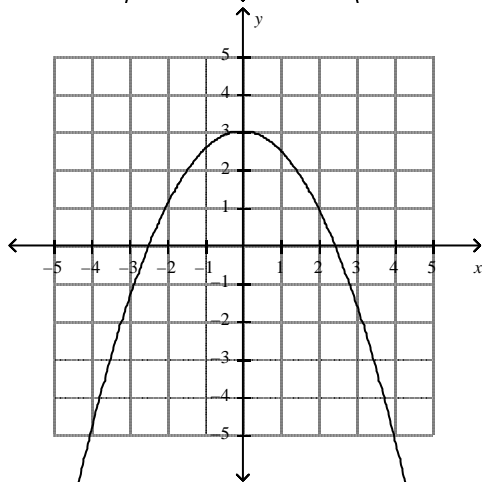
A.



C.



B.



D.

