

Name:

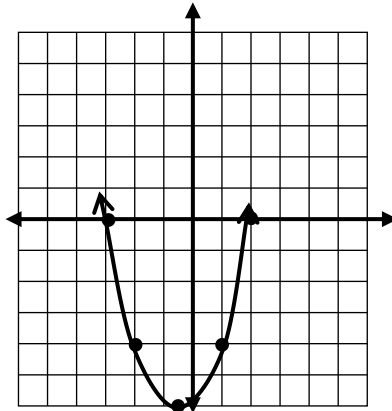
Date:

Period:

Choose the correct answer.

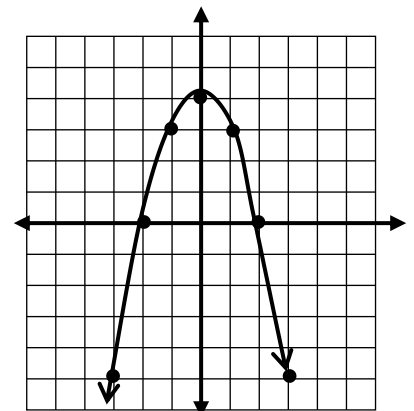
1. What are the roots of the quadratic equation that has this graph?

- (a) 2 and 3
- (b) -3 and -2
- (c) 0 and -6
- (d) -3 and 2



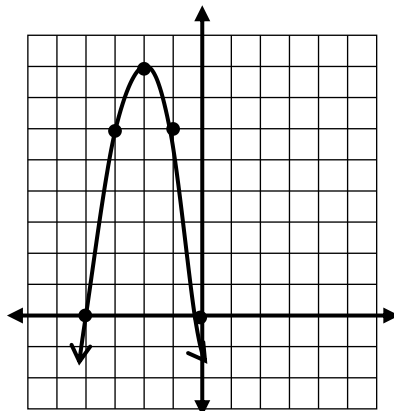
2. What are the roots of the quadratic equation that has this graph?

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



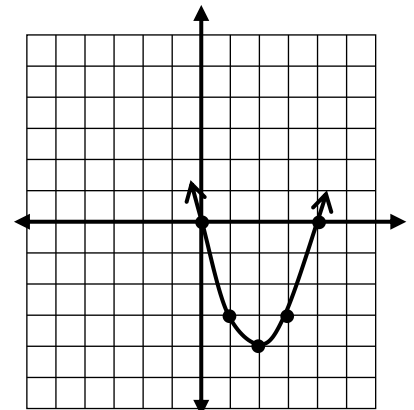
3. What are the roots of the quadratic equation that has this graph?

- (a) -4 and 0
- (b) -2 and 8
- (c) 0 and 4
- (d) -4 and 4



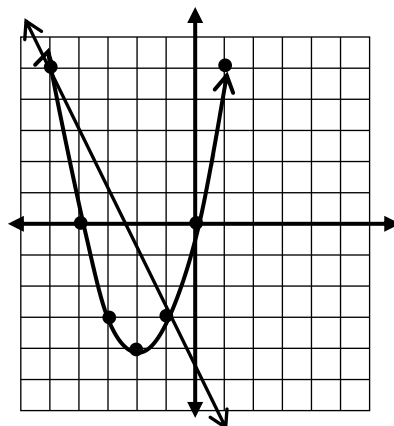
4. What are the roots of the quadratic equation that has this graph?

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



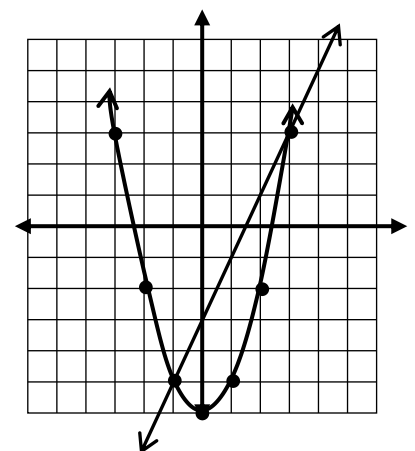
5. What is the solution of the system that has this graph?

- (a)  $(-2, -4)$
- (b)  $(-4, 0)$  and  $(0, 0)$
- (c)  $(-5, 5)$  and  $(-1, -3)$
- (d)  $(0, -5)$  and  $(-5, 5)$

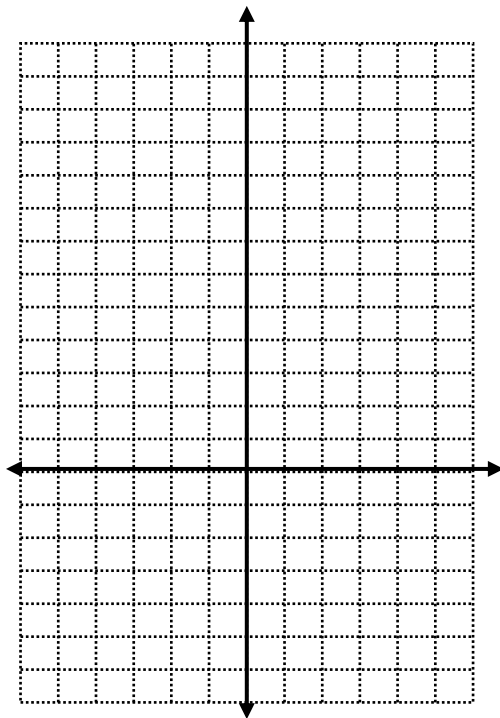


6. What is the solution of the system that has this graph?

- (a)  $(0, -5)$  and  $(3, 3)$
- (b)  $(-1, -5)$  and  $(0, -6)$
- (c)  $(-1, -5)$  and  $(3, 3)$
- (d)  $(-3, 3)$  and  $(3, 3)$



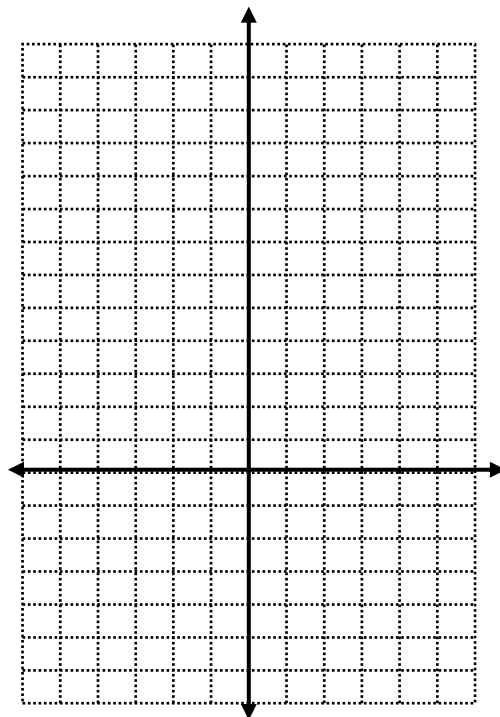
7. Graph the quadratic equation  $y = x^2 - 6x + 9$ .



Use the graph to find the roots of the equation: \_\_\_\_\_

8. Graph the system of equations

$$\begin{cases} y = x^2 - 6x + 8 \\ y = 2x - 4 \end{cases}$$



Use the graph to find the solution of the system: \_\_\_\_\_