

Group number:

Grade 8 general

What is the system of equations?

- a) Two numbers that are equal
- b) Two or more equations that have different variables
- c) Two or more equations that have the same variables

What is the solution of linear system of equations?

- a) Infinitely many solutions
- b) One solution
- c) No solution

If a system of equations has no solution, what does the graph look like?

- a) Parallel lines
- b) Same lines
- c) Intersecting lines

How many solutions this system have?

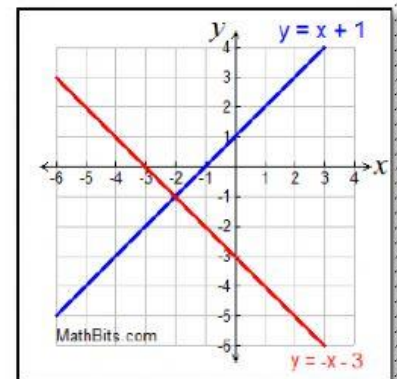
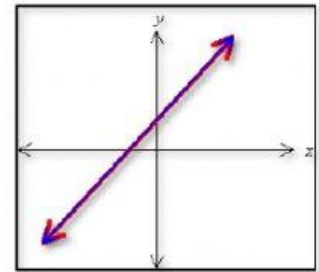
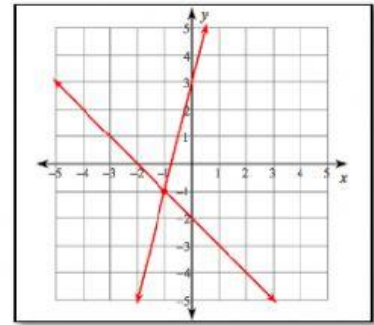
- a) One solution
- b) Two solutions
- c) No solution
- d) Infinitely many solutions

What is the solution of this system of graph?

- a) (2, 1)
- b) (-2, -2)
- c) (-2, -1)
- d) (2, 3)

A system of equations with infinitely many solutions will have lines that...

- a) Are the same
- b) Cross in one place
- c) Are parallel and never touch



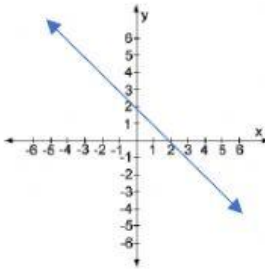
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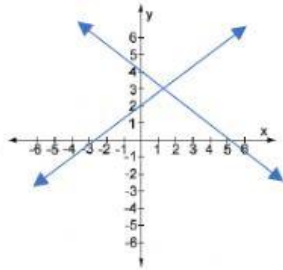
Choose the correct graph of the given system of equations and find the point of intersection

$$y = -x$$

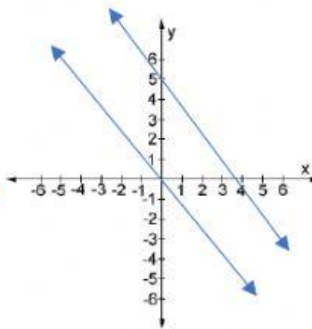
$$y = x + 6$$



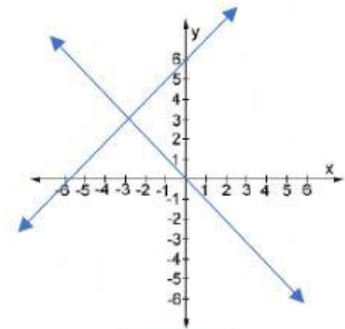
**A**



**B**



**C**



**D**

What is the point of intersection?

Parallel lines never intersect because

- a) They have same y-intercept
- b) They have different y-intercept
- c) They have the same slopes and different y-intercept
- d) They have different slopes and same y-intercept

When two equations have different slopes and different y-intercepts we can say the system has exactly one solution.

- a) True
- b) False

**Done by: Ms.  
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