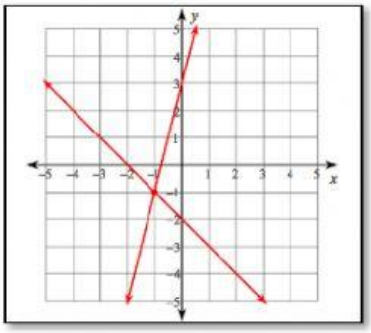
Group number: Grade 8 general

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

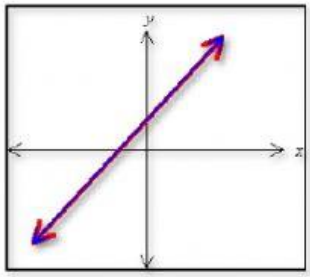


What is the solution of linear system of equations?

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

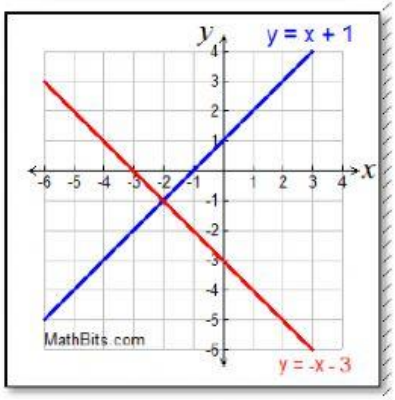
If a system of equations has no solution, what does the graph look like?

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

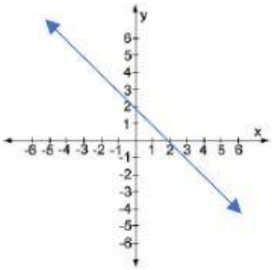
LIVEWORKSHEETS

Group number: Grade 8 general

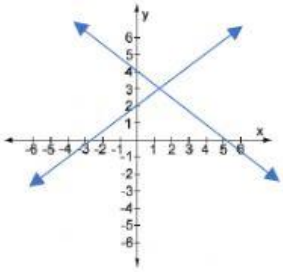
Choose the correct graph of the given system of equations and find the point of intersection

$y = -x$

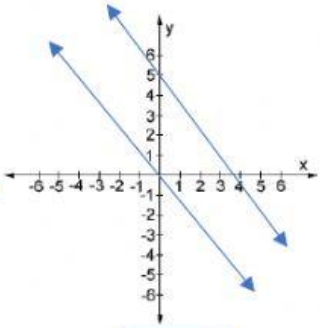
$y = x + 6$



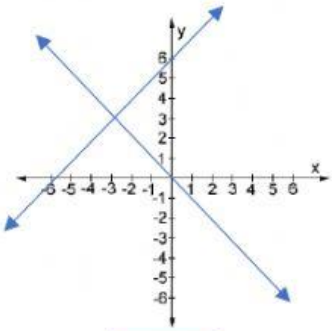
A



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. Muna Dawah

LIVEWORKSHEETS