

VIDYA BHARATI SCHOOL

OLYMPIAD WORKSHEET: OCT- 2017

GRADE: IX

SUBJECT: MATHEMATICS

Write the	correct answer	in each	of the	following
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1.	X=0) is the equa	ation of				
	a)	X-axis	b) y-axis	c) a line parallel	to x-axis	d) a line paralle	el to y-axis
2.	Y=C) is the equa	tion of				
	a)	X-axis	b) y-axis	c) a line parallel	to x-axis	d) a line paralle	el to y-axis
3.	X+3	B=0 is the eq	uation of a line				
	a)	Parallel to x	c-axis and passin	g through (-3,0)	b) parallel to	y-axis and passi	ing through (-3,0
	b)	Parallel to y	-axis and passin	g through (0,-3)	d) none of th	ese	
4.	Y-4	= 0 is the eq	uation of a line				
	a)	Parallel to x	c-axis and passin	g through (4,0)	b) parallel to	x-axis and pass	ing through (0,4)
	c)	Parallel to y	y-axis and passin	g through (0,4)	d) none of th	ese	
5.	The	point of the	e form (a,a) whe	re a≠0 lies on			
	a)	x-axis	b) y-axis	c) the line x=y		d) the line x+y	=0
6.	The	point of the	e form (a,-a) whe	ere a≠0 lies on			
	a)	x-axis	b) y-axis	c) the line x-y=	:0	d) the line x+y	=0
7.	The	e linear equa	ation 3x-5y=15 h	as			
	a)	a unique sol	lution b) two	solutions	c) infinitely m	any solutions	d) no solution
8.	The	graph of th	e linear equatio	n 3x+2y=6 cuts th	e y-axis at the μ	ooint	
	a)	(2,0)	b) (0,2)	c) (0,3)	d) (3,0)		
9.	The graph of the linear equation 4x+3y=12 cuts the x-axis at the point						
	a)	(4,0)	b) (0,4)	c) (0,3)	d) (3,0)		
10.	The graph of the line x=3 pass through the point						
	ın	e graph of tr	ne line x=3 pass t	through the point	t		
		e graph of tr (0,3)	b) (2,3)		t d) none of thes	e	
11.	a)	(0,3)	b) (2,3)		d) none of thes	e	
11.	a) . Th	(0,3)	b) (2,3)	c) (3,2) not pass through	d) none of thes	e	
	a) . Th a)	(0,3) e graph of th (2,-3)	b) (2,3) ne line y=-3 does b) (3,-3)	c) (3,2) not pass through	d) none of thes n the point d) (-3,2)	e	

1	3. A	linear equa	tion in two varia	bles x and y is of	the for	m ax+by+c=0, where
	a) a	a≠ 0, b≠0	b) a≠ 0, b=0	c) a= 0, b≠0	d) a= 0	, c=0
14.	Any	y point on x-	axis is of the for	m:		
	a)	(x,y) where	x≠0 and y≠0	b) (0,y), where	y ≠ 0	
	b)	(x,0) where	. x≠0	d) (y,y), where	y ≠ 0	
15.	15. Any point on y-axis is of the form:					
	a)	(x,0) where	. x≠0	b) (0,y) where y	<i>ı</i> ≠0	
	b)	(x,x) where	x≠0	d) none of thes	e	
16.	16. How many linear equations in x and y can be satisfied by $x=2$, $y=3$?					
	a)	Only one	b) only two	c) infinitely ma	ny	d) none of these
17.	The	graph of th	e linear equatio	n 2x+5y=10 is th	e line w	hich meets the y-axis at the point
	a)	(0,2)	b) (5,0)	c) (1/2,2)		d) (2,1.2)
18. The graph of the linear equation 3x+2y=6 is the line which meets the x-axis at the point						
	a)	(0,3)	b) (2,0)	c) (2,3)	d) (3,2)	
19.	If e	ach of (-2,2)	, (0,0) and (2,-2)	is a solution of a	a linear e	equation in x and y, then the equation is
	a)	x-y=0	b) x+y=0	c) -2x+y=0	d) -x+2	2y=0
20.	The	e graph of th	e linear equatio	n x-y=0 passes th	nrough t	he point
	a)	(-1/2,1/2)	b) (3/2,-3/2)	c) (0,-1)	d) (1,1)	

^{*}For more practice material please click: www.brilliant.org; www.sofolympiadtrainer.co www.olympiadhelper.com