VIZUAL VA TARQATMA MATERIALLAR
TESTLAR

Topshiriqlar	To’g’ri javob	Muqobil javob	Muqobil javob	Muqobil javob
Ikki nuqta orasidagi masofani topish formulasini aniqlang	* $d=\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$	$d=\sqrt{(x_2-x_1)^2-(y_2-y_1)^2}$	$d=\sqrt{(x_2+x_1)^2-(y_2+y_1)^2}$	$d=\sqrt{(x_2+x_1)^2+(y_2+y_1)^2}$
Kesmani berilgan nisbatda bo’lish formulasini aniqlang	* $x=\frac{x_1+\lambda x_2}{1+\lambda}$ $y=\frac{y_1+\lambda y_2}{1+\lambda}$	$x=\frac{x_2-\lambda x_1}{1+\lambda}$ $y=\frac{y_2-\lambda x_1}{1+\lambda}$	$x=\frac{x_1-\lambda x_2}{1+\lambda}$ $y=\frac{y_1-\lambda y_2}{1+\lambda}$	$x=\frac{x_1+\lambda x_2}{1-\lambda}$ $y=\frac{y_1+\lambda y_2}{1-\lambda}$
$y=3x-6$ to’g’ri chiziqning koordinata o’qlari bilan kesishish nuqtasini toping	* $A(2;0)$ $B(0;-6)$	$A(-2;0)$ $B(0;6)$	$A(0;6)$ $B(0;2)$	$A(0;2)$ $B(-6;0)$
Qaysi javobda to’g’ri chiziqning umumiy tenglamasi berilgan?	* $Ax+By+C=0$	$\frac{x}{a}+\frac{y}{b}=1$	$y=kx+b$	$x\cos\alpha+y\sin\alpha-\rho=0$
Ax+By+C=0 to’g’ri chiziq tenglamasida A=0 bo’lsa, chiziqning	*OX o’qiga parallel to’g’ri chiziq	OY o’qiga parallel to’g’ri chiziq	Koordinata boshidan o’tuvchi to’g’ri chiziq	OX o’qini X=C nuqtada kesadi

holatini aniqlang				
Ax+By+C=0 to’g’ri chiziq tenglamasida B=0 bo’lsa, chiziqning holatini aniqlang	*OY o’qiga parallel to’g’ri chiziq	Koordinata boshidan o’tuvchi to’g’ri chiziq	OY o’qini Y=C nuqtada kesadi	OX o’qiga parallel to’g’ri chiziq
Nuqtadan to’g’ri chiziqqacha bo’lgan masofani aniqlang.	* $d = \pm\frac{Ax_0 + By_0 + D}{\sqrt{A^2 + B^2}}$	$(x-a)^2 + (y-b)^2 = R^2$	$\lvert MC\rvert = \sqrt{(x-a)^2 + (y-b)^2 + (z-c)^2}$	$\left\lvert\vec{a}\right\rvert = \sqrt{a_x{}^2 + a_y{}^2 + \upsilon_z{}^2}$,
$A(-5,3),\ B(3,7)$ nuqtalar berilgan. AB kesmani $\lambda = \frac{3}{2}$ nisbatda bo’luvchi N nuqtaning koordinatasini toping.	* $N\left(-\frac{1}{5};\frac{27}{5}\right)$	$N\left(-\frac{4}{3};\frac{12}{3}\right)$	$N\left(-\frac{3}{7};-\frac{9}{7}\right)$	$N\left(\frac{5}{3};4\right)$
$Ax + By + C = 0$ to`g`ri chiziq tenglamasida $A \neq 0, B \neq 0, C = 0$ bo`lsa	*Koordinata boshidan o`tadi	Oy o`qini beradi.	Oy o`qiga parallel	Ox *o`qiga parallel.*
$\frac{x}{a} + \frac{y}{b} = 1$ to`g`ri chiziqning	*kesmalar bo’yicha tenglamasi	ikki nuqtadan o`tuvchi to`g`ri chiziq tenglamasi	to`g`ri chiziqning parametrik tenglamasi	*tug`ri chiziqning umumiy tenglamasi*

qanday tenglamasi?				
Uchlari $A(2,5),\ B(1,-1),\ C(1,7)$ nuqtalarda bo'lgan uchburchakning tomonlari uzunliklarini toping.	$*\sqrt{37}, \sqrt{5}, 8$	$4, \sqrt{11}, \sqrt{28}$	6, 3, 7	$\sqrt{11}, 4, \sqrt{29}$
$A(1,3)$ va $B(2,4)$ nuqtalarni $x-y-2=0$ tenglama bilan aniqlangan figurada yotish yoki yotmaslini aniqlang.	*A va B nuqtalarning hech biri yotmaydi	A nuqta yotmaydi, B nuqta yotadi	A va B nuqtalar har ikkalasi ham yotadi	*A nuqta yotadi, B nuqta yotmaydi*
Markazi $C(0,2)$ nuqtada bo'lib, Ox o'qqa urinuvchi figura tenglamasini aniqlang.	$*x^2+(y-2)^2=4$	$(x-2)^2+y^2=4$	$(x-1)^2+(y-2)^2=4$	$x^2+y^2=4$
Markazi $C(0,2)$ nuqtada bo'lib, radiusi 5 ga teng bo'lgan aylana	$*x^2+(y-2)^2=25$	$(x-2)^2+y^2=5$	$(x-1)^2+(y-2)^2=4$	$x^2+y^2=25$

tenglamasini aniqlang.				
Berilgan $A(2,1)$ va $B(4,1)$ nuqtalardan baravar uzoqlikda yotuvchi nuqtalar to'plamini aniqlang.	$*\ x-3=0$	$2x+y-2=0$	$x-2=0$	$x-2y+1=0$
$2x-3y-12=0$ to'g'ri chiziqning koordinata o'qlari bilan kesishish nuqtalari koordinatalarini aniqlang.	$*\ A(6,0),\ B(0,-4)$	$A(-6,0),\ B(0,4)$	$A(4,0),\ B(0,3)$	$A(-3,0),\ B(0,4)$
$2x+3y-6=0$ to'g'ri chiziqning burchak koeffisientini va b ni toping.	$*\ k=-\frac{2}{3},\ b=2$	$k=\frac{2}{3},\ b=2$	$k=\frac{2}{3},\ b=-2$	$k=\frac{1}{2},\ b=2$
$x-y+3=0$ va $2x-y+4=0$ to'g'ri chiziqlarning kesishish nuqtasi	$*\ M(-1,2)$	$M(-2,1)$	$M(-2,3)$	$M(-1,-2)$

koordinatalarini aniqlang.				
5x-y+7=0, 2x-3y+1=0 to`g`ri chiziqlar orasidagi burchakni hisoblang	*45	90	60	*30*
2x+y=0, y=3x-4 to`g`ri chiziqlar orasidagi burchakni hisoblang	*45	90	60	*30*