

Random Vector Assignment

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I. FIGURES

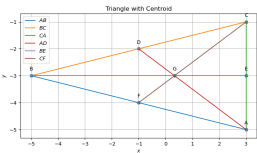


Fig. I.1. Triangle with centroid generated using python

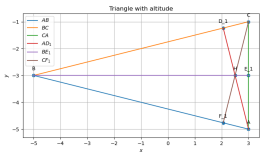


Fig. I.2. Triangle with altitude generated using python

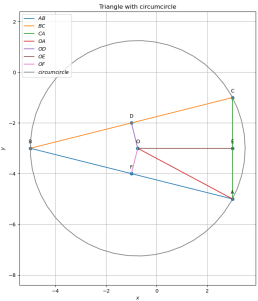


Fig. I.4. Triangle with circumcircle generated using python

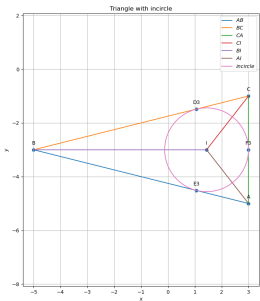


Fig. I.3. Triangle with incircle generated using python

II. TABLE

parameter	value	description
Co ordinates	(3 -5)	A
Co ordinates	(-5 -3)	B
Co ordinates	(3 -1)	C
n^T	(2 8)	AB
c	-34	
n^T	(2 -8)	BC
c	14	
n^T	(-4 0)	AC
c	-12	
n^T	(3 4)	AD
c	-11	
n^T	(0 -8)	BE
c	24	
n^T	(-3 4)	CF
c	-13	
Co ordinates	(0.33 -3)	G
n^T	(8 2)	AD_1
c	14	
n^T	(0 -4)	BE_1
c	12	
n^T	(-8 -2)	CF_1
c	-26	
Co ordinates	(2.5 -3)	H
n^T	(8 -2)	Perpendicular bisector of AB
c	0	
n^T	(-8 -2)	Perpendicular bisector of BC
c	12	
n^T	(0 4)	Perpendicular bisector of CA
c	-12	
n^T	(1.24 0.97)	Angular bisector of A
c	-1.12	
n^T	(0 -1.94)	Angular bisector of B
c	5.82	
n^T	(-1.24 -0.97)	Angular bisector of C
c	-8.58	
center(O)	(-0.75 -3)	Circumcircle
radius	4.25	
center(I)	(1.44 -3)	Incircle
radius	1.56	

TABLE II.1
EQUATIONS OF LINES