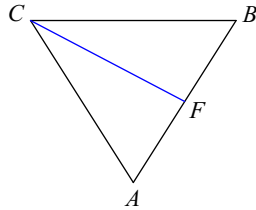


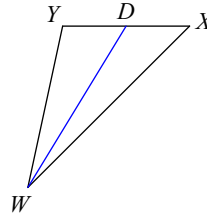
Medians and Centroids

Each figure shows a triangle with one or more of its medians.

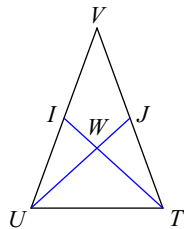
1) Find x if $AB = 2x - 6$ and $FB = 2x - 12$



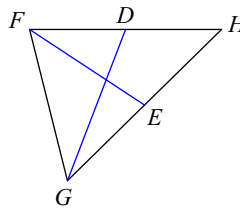
2) Find x if $DY = x - 1$ and $DX = 2x - 5$



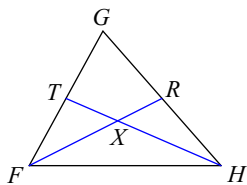
3) Find IV if $VU = x + 4$ and $IU = x - 1$



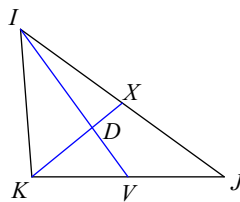
4) Find GH if $GH = 11x - 2$ and $EH = 6x - 2$



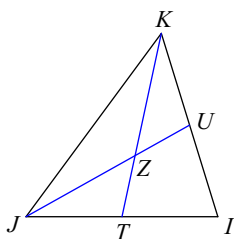
5) Find x if $FR = 2x - 2$ and $XR = x - 4$



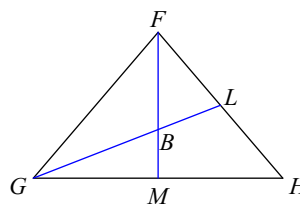
6) Find x if $IV = 4x + 6$ and $DV = 2x - 2$



7) Find KT if $KZ = x - 4$ and $ZT = 2x - 11$

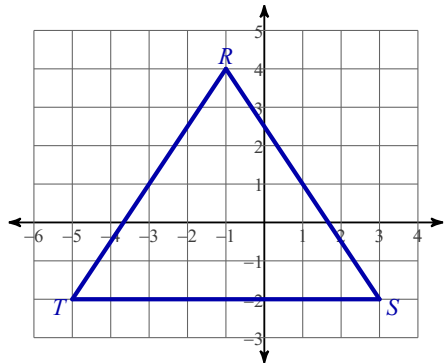


8) Find GL if $GB = x + 8$ and $GL = 3x - 3$

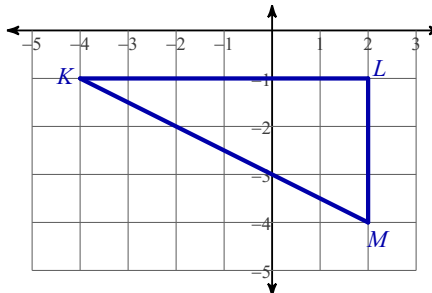


Find coordinates of the centroid of each triangle.

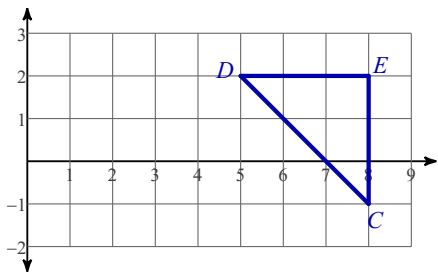
9)



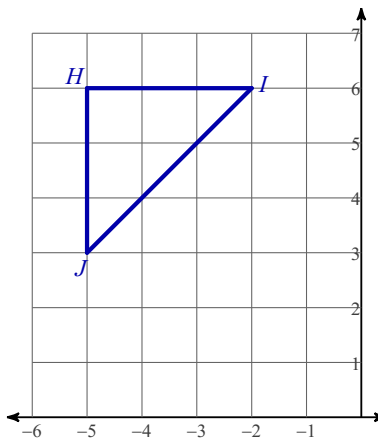
10)



11)



12)



Find the coordinates of the centroid of each triangle given the three vertices.

13) I(-7, 7), J(0, 7), K(-8, -2)

14) C(2, -3), D(-5, -3), E(6, -6)