

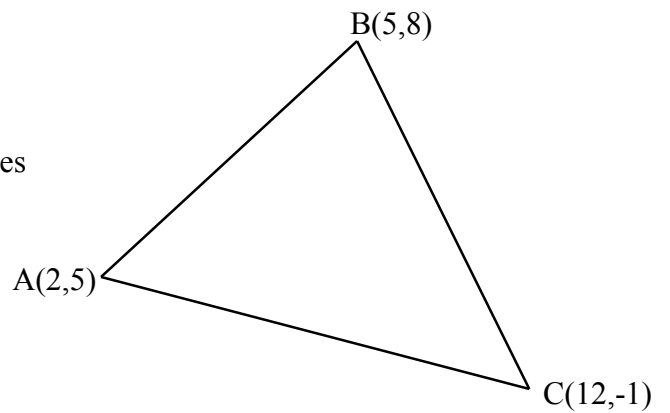
Equation of a line

Medians

1. The diagram shows triangle ABC with vertices

A(2,5), B(5,8) and C(12, -1).

Find the equation of the median from B.

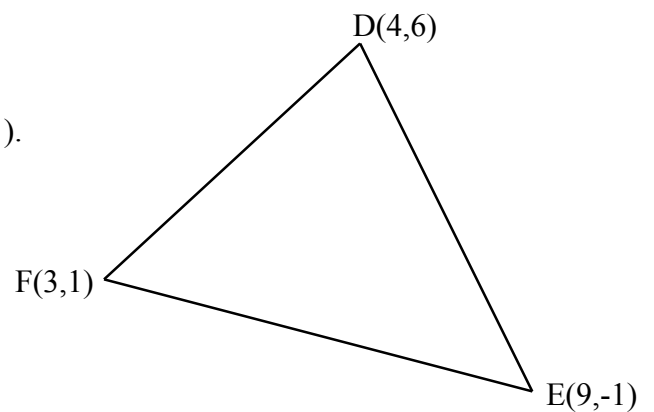


2. A triangle has vertices P(0,-4), Q(7,3) and R(-3,7).

Find the equation of the median from P to the line QR.

3. A triangle has vertices D(4,6), E(9,-1) and F(3,1).

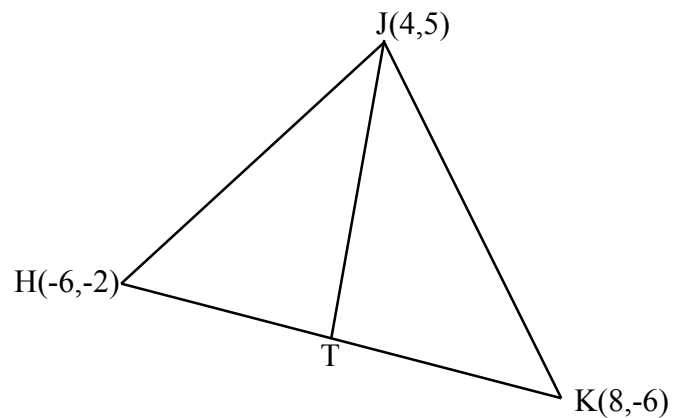
Find the equation of the median drawn from D.



4. HJK is a triangle with vertices H(-6,-2),

J(4,5) and K(8,-6).

Find the equation of the median JT.

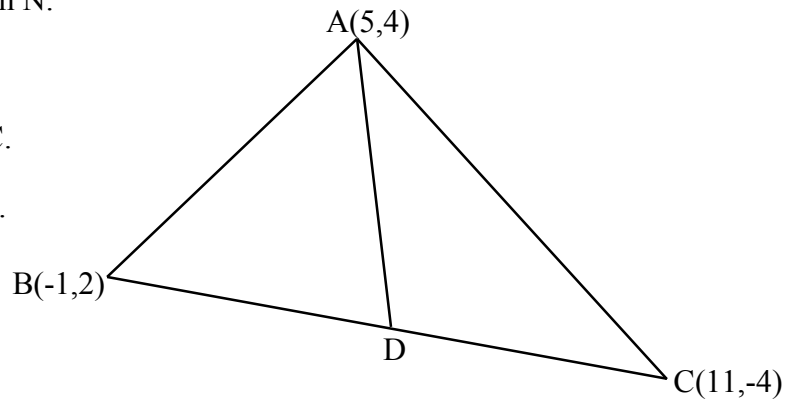


5. A triangle has vertices $M(4,1)$, $N(2,9)$ and $P(-6,-7)$.

Find the equation of the median from N .

6. The diagram shows a triangle ABC .

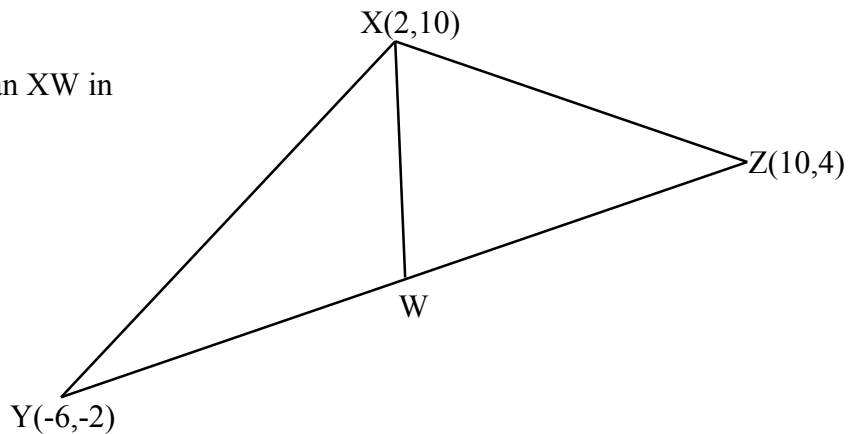
Find the equation of the median AD .



7. A triangle has vertices $M(-6,-3)$, $N(4,5)$ and $P(10,-11)$.

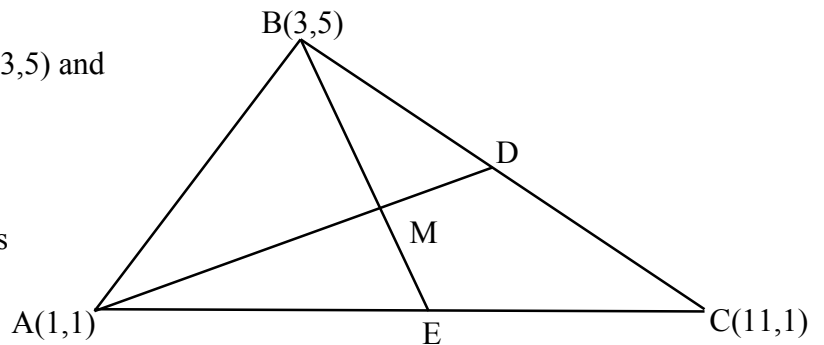
Find the equation of the median from M to NP .

8. Find the equation of the median XW in triangle XYZ .



9. A triangle has vertices $A(1,1)$, $B(3,5)$ and $C(11,1)$.

- (a) Find the equations of the medians AD and BE .
 (b) AD and BE intersect at M . Find the coordinates of M .



10. PQR is a triangle with P(4,1), Q(8,1) and R(6,-2).

(a) Find the equation of the median from R.

(b) Find the equation of the median from P.

(c) Find the coordinates of the point of intersection of these lines.