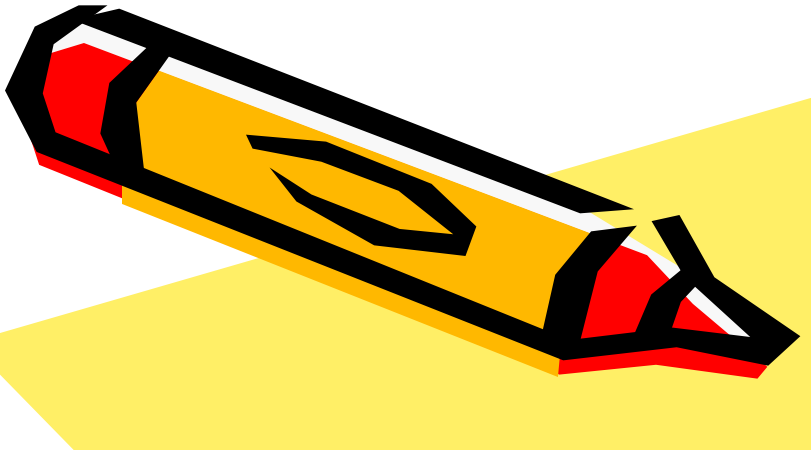
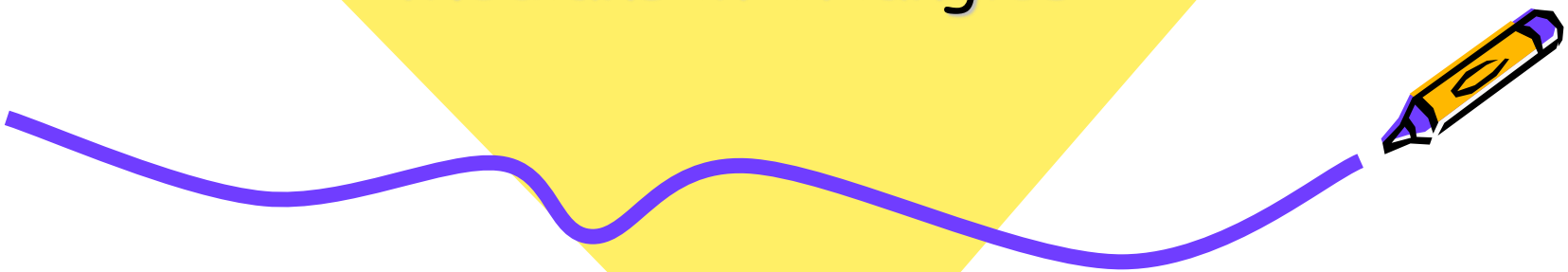


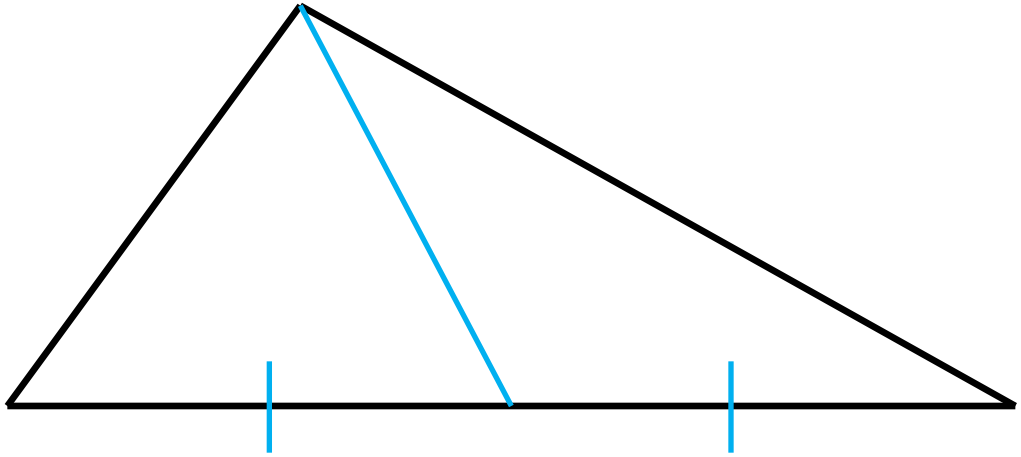
Geometry

Medians in Triangles



Median

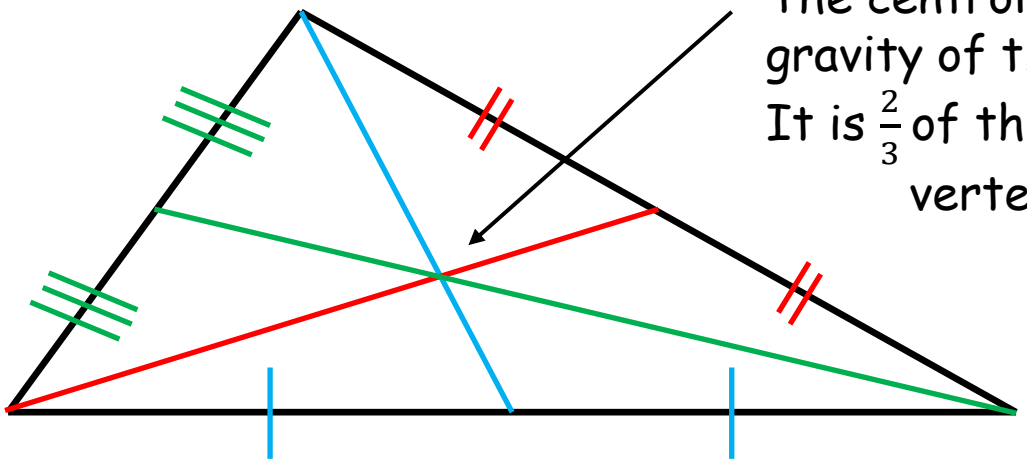
A segment that goes from the vertex of a triangle to the midpoint of the opposite side.



A triangle could have up to 3 medians.

Median

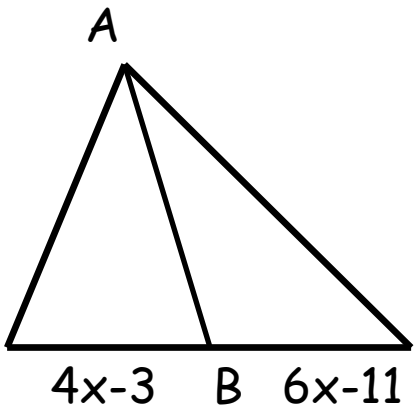
A triangle could have up to 3 medians. They will intersect at the center of the triangle.

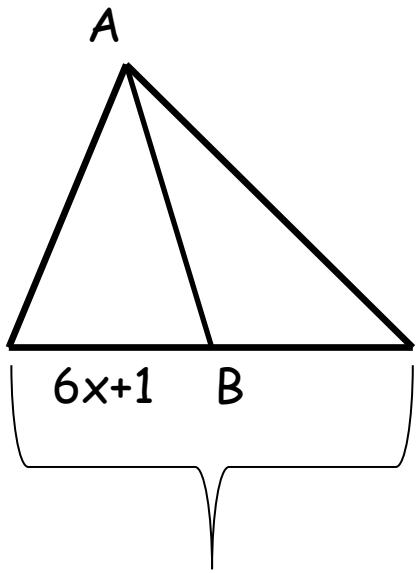


The point of concurrency is called the centroid.
The centroid is the center of gravity of the triangle.
It is $\frac{2}{3}$ of the distance from vertex to midpoint.

Practice

$\overline{AB}$ is a median. Find x.

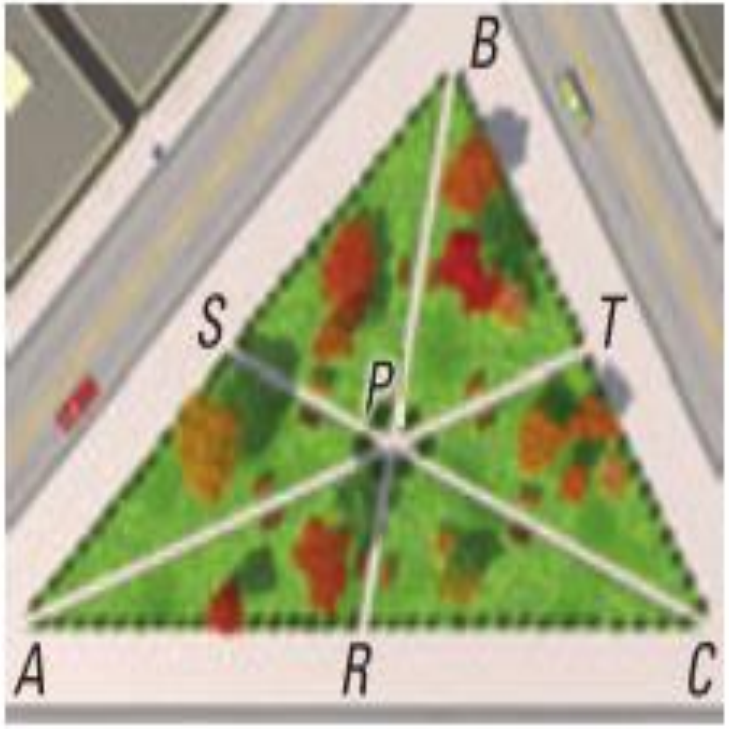




Practice

There are three paths through a triangular park. Each path goes from the midpoint of one edge to the opposite corner. The paths meet at point P.

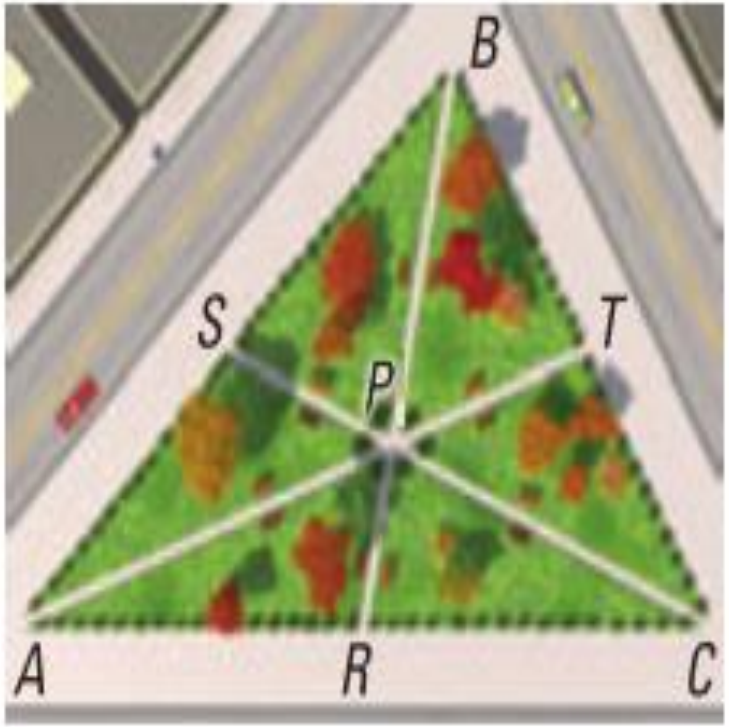
If SC=2100 feet, find PS and PC.



Practice

There are three paths through a triangular park. Each path goes from the midpoint of one edge to the opposite corner. The paths meet at point P.

If PT=800 feet, find PA and TA.



Practice

Triangle ABC has points,
A(-2, 6)
B(3, 0)
C(-3, -4)

$\overline{AD}$ is a median.
Find the ordered pair for D.