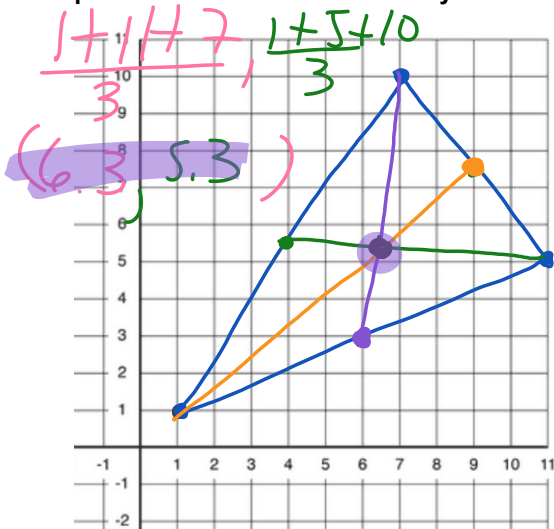


Centroid Medians in Triangles

Saturday, February 11, 2023 10:48 PM

Lashaya needs to hang a wind chime with a single piece of cord. The pipes of the wind chime are attached to a triangular platform. When the platform is placed on a coordinate plane, the vertices of the triangle are located at $(1, 1)$, $(11, 5)$, and $(7, 10)$. What are the coordinates of the point where the cord should be attached to the platform so the wind chime stays balanced?



$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

$$\frac{1+7}{2}, \frac{1+10}{2}$$
$$(4, 5.5)$$

$$\frac{1+11}{2}, \frac{1+5}{2}$$

$$(6, 3)$$

$$\frac{11+7}{2}, \frac{5+10}{2}$$
$$(9, 7.5)$$