

Let $\triangle ABC$ has its coordinates at $A(2, 0)$, $B(6, 4)$, and $C(-2, 2)$.

1. Sketch the triangle.
2. Find equations of perpendicular bisectors of $\overline{AB}$, $\overline{BC}$, and $\overline{AC}$.
3. Then, find the intersection of the perpendicular bisectors.

