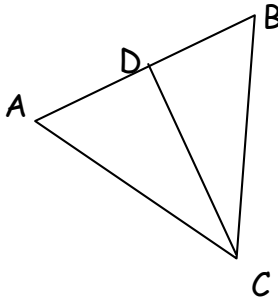
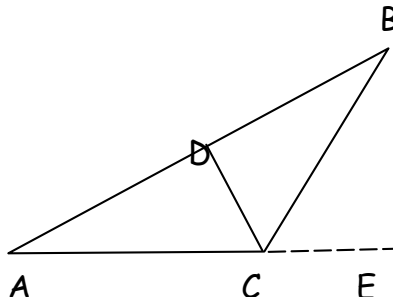
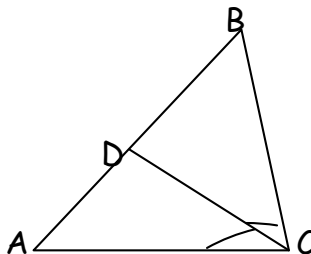
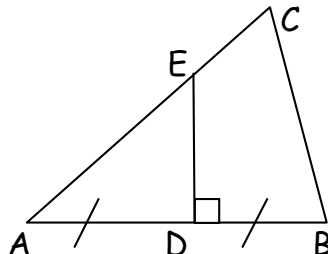


Geometry Journal: Special Segments in Triangles

Post, Thm, or Defn	Example/Drawing	Conclusion
<p>1. Median: segment from a vertex to the midpoint of the opposite side.</p>	<p>Given: DC is median of $\triangle ABC$</p> 	$\overline{AD} \cong \overline{BD}$
<p>2. Altitude: segment from a vertex perpendicular to the opposite side.</p>	<p>Given: DC and BE are altitudes of $\triangle ABC$.</p> 	$\angle CDB = 90^\circ$ $\angle BEC = 90^\circ$
<p>3. Angle Bisector: segment which bisects an angle of a triangle.</p>	<p>Given: CD is an angle bisector.</p> 	$\angle ACD \cong \angle DCB$
<p>4. \perp Bisector: segment which bisects and is \perp to one side of a \triangle. Does not need to come from a vertex.</p>	<p>Given: DE is a \perp bisector of side AB</p> 	$\overline{AD} \cong \overline{BD}$ $\angle ADE = 90^\circ = \angle EDB$