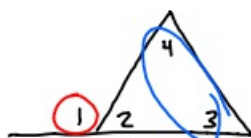
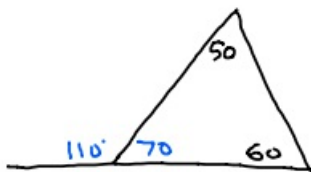
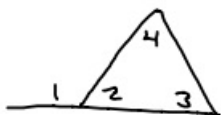


11-7-19 6th Geometry



$$\angle 1 = \angle 3 + \angle 4$$



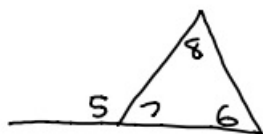
$$\angle 1 + \angle 2 = 180^\circ$$

$$\angle 2 + \angle 3 + \angle 4 = 180^\circ$$

$$\angle 1 + \angle 2 = \angle 2 + \angle 3 + \angle 4$$

$$-\angle 2 \quad -\angle 2$$

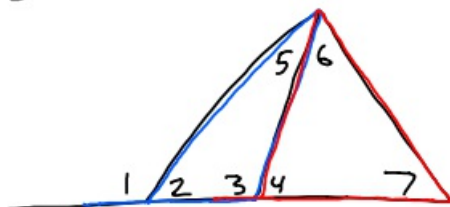
$$\angle 1 = \angle 3 + \angle 4$$



Which angles must $\angle 5$ be greater than?

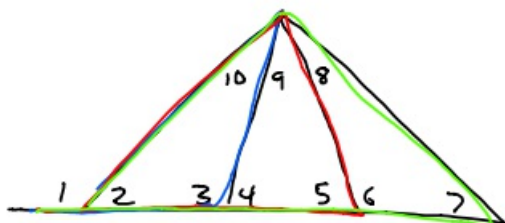
$\angle 6, \angle 8$

Which of the angles is less than $\angle 1$.

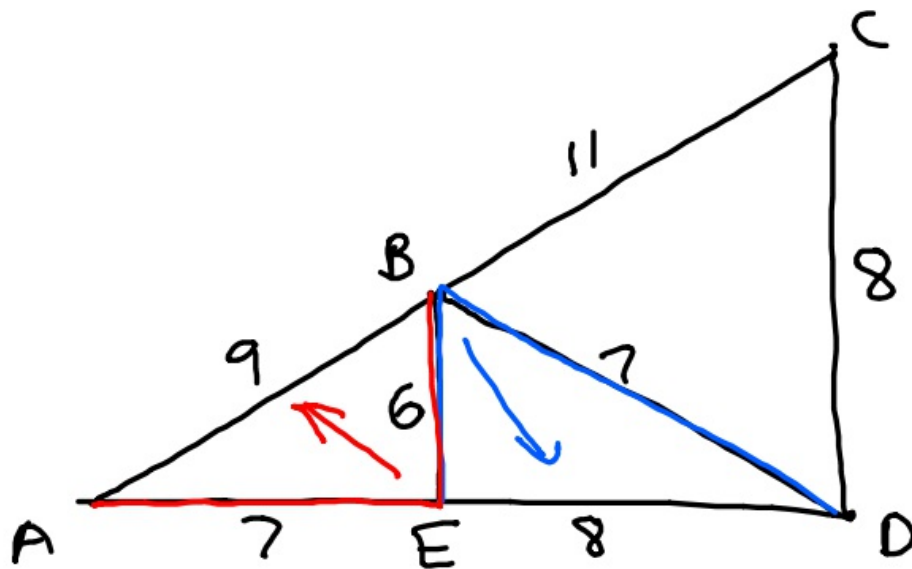


$\angle 3, \angle 5, \angle 6, \angle 7$

Which angles are less than $\angle 1$



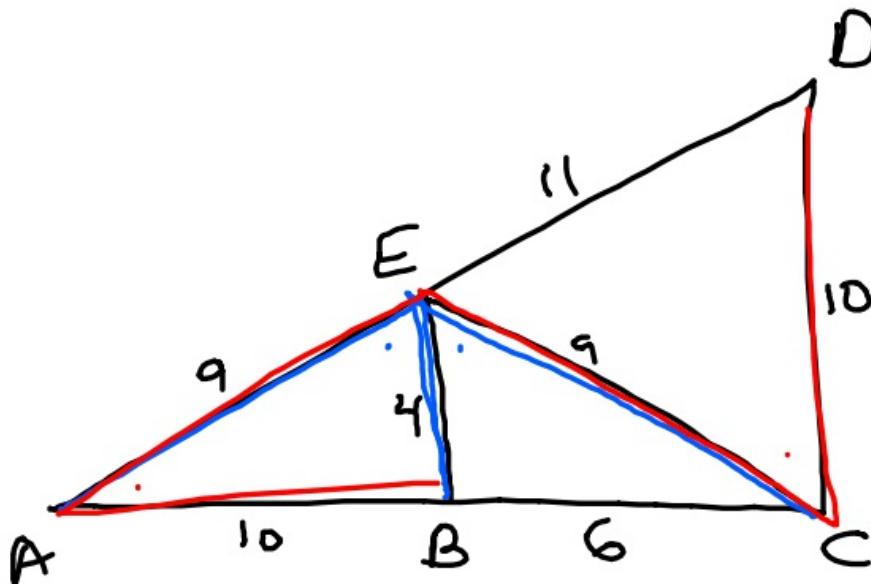
$\angle 3, \angle 10, \angle 5, \angle 9, \angle 7, \angle 8$



$$\angle EBD < \angle AEB$$

Which other 2 angles could I compare

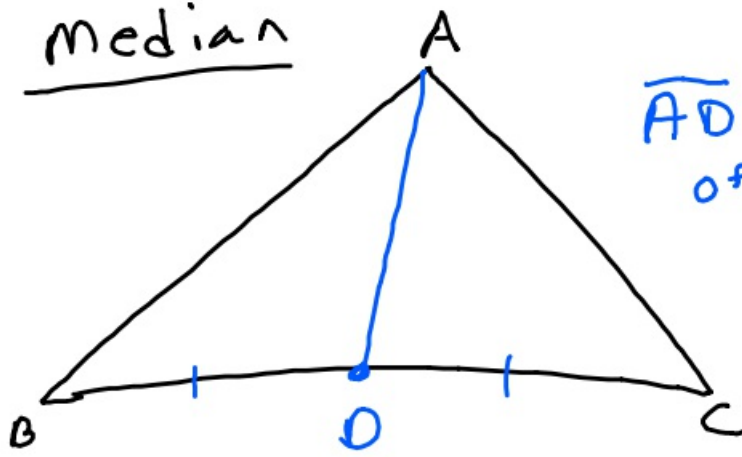
$$\angle CDB \neq \angle BDE$$



$$\angle AEB > \angle CEB$$

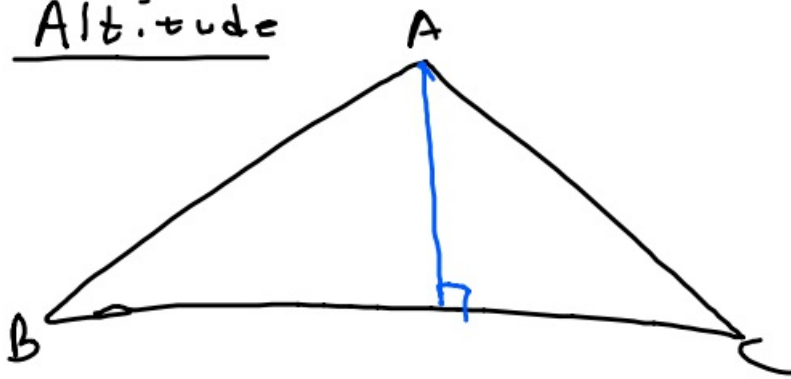
$$\angle EAB < \angle ECD$$

Median

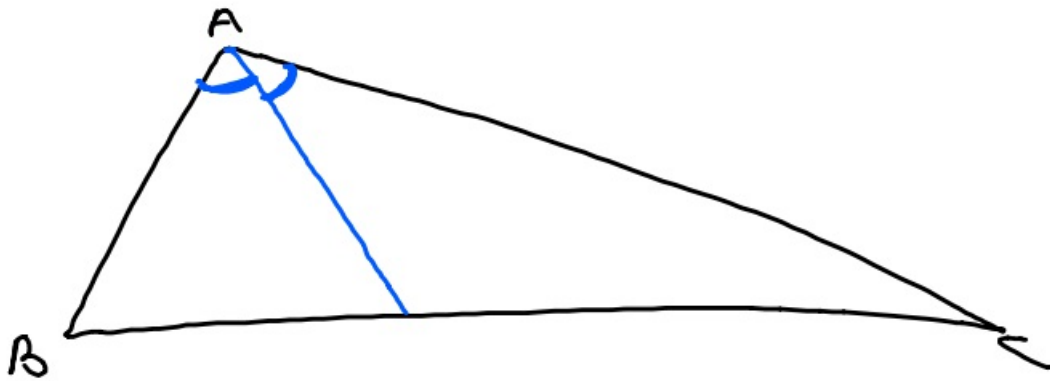


\overline{AD} is median
of $\triangle ABC$

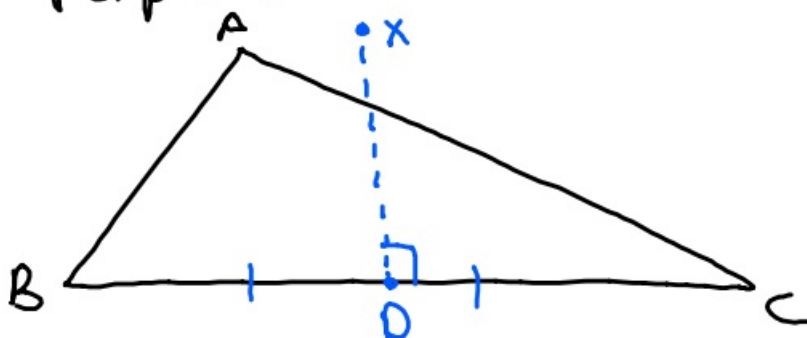
Altitude



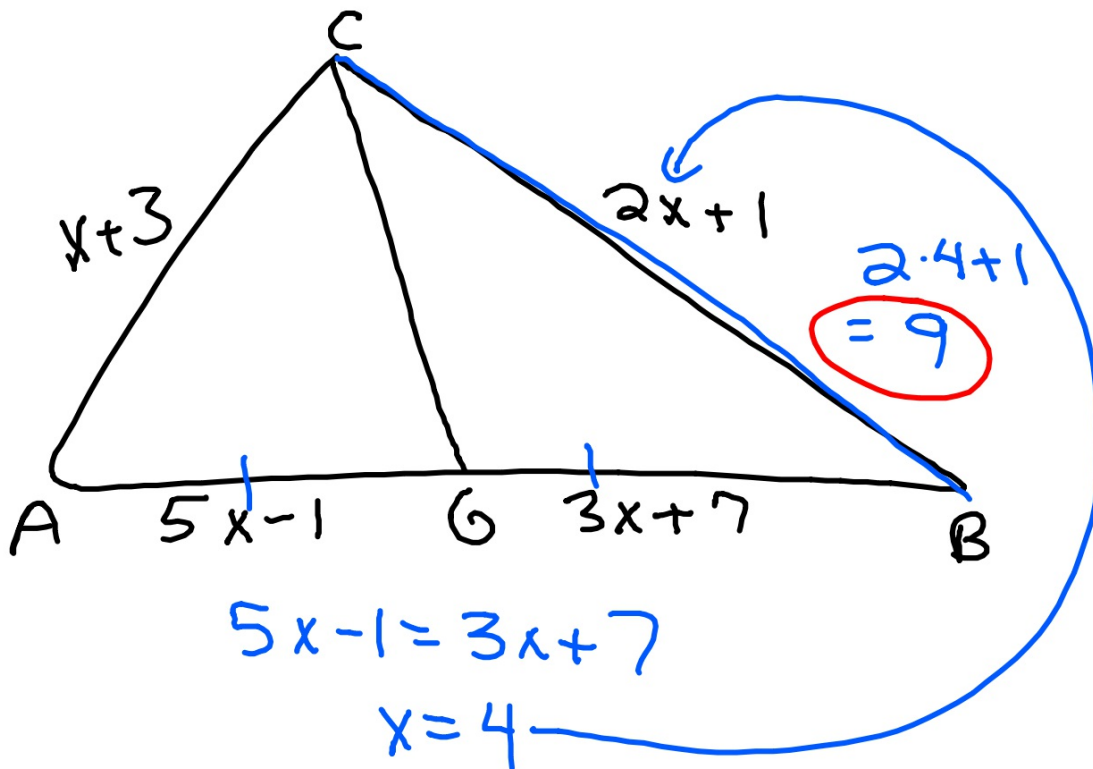
Angle bisector



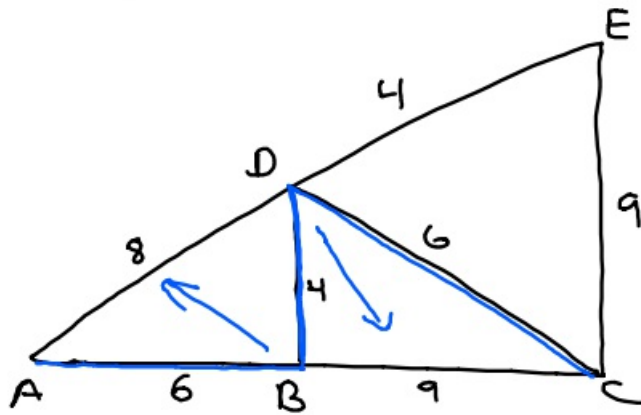
Perpendicular Bisector



① Find BC if \overline{CG} is the median of $\triangle ABC$.



11-7-19 7th Geo

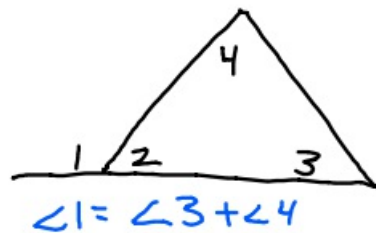


$$\angle ABD < \angle CDB$$

What other angles could you compare?

$$\angle BDC + \angle CDE \quad \angle CBD + \angle CED$$

$$\angle BCD + \angle ECD$$



$$\angle 1 + \angle 2 = 180^\circ \quad \angle 2 + \angle 3 + \angle 4 = 180^\circ$$

$$\angle 1 + \angle 2 = \angle 2 + \angle 3 + \angle 4$$

$$-\angle 2 \quad -\angle 2$$

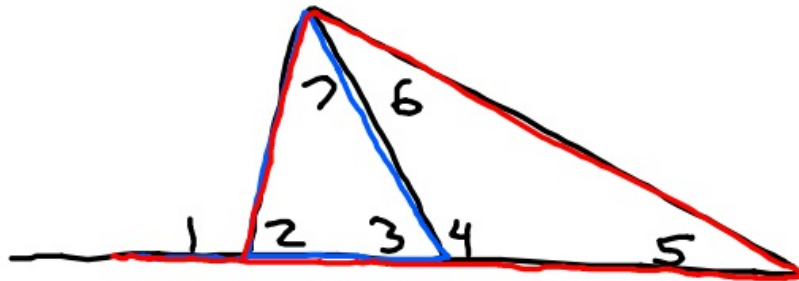
$$\angle 1 = \angle 3 + \angle 4$$



$$\angle 1 > \angle 3$$

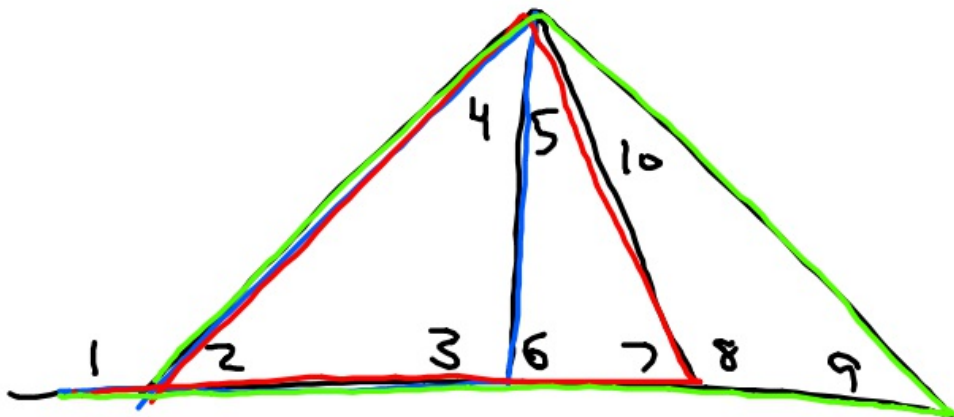
$$\angle 1 > \angle 4$$

① Which angles are less than $\angle 1$?



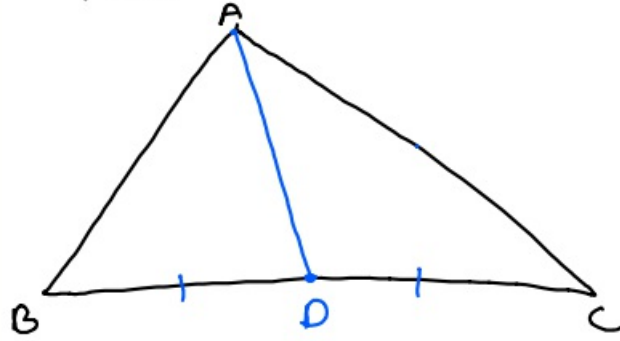
$\angle 3, \angle 7$ $\angle 5, \angle 6$

② Which angles are less than $\angle 1$?



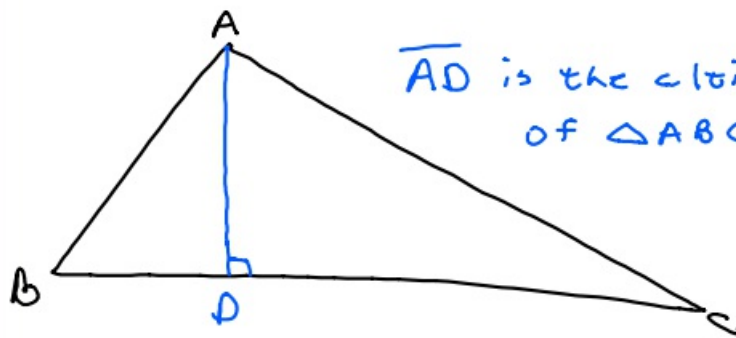
$\angle 3, \angle 4, \angle 7, \angle 5$ $\angle 9, \angle 10$

Median



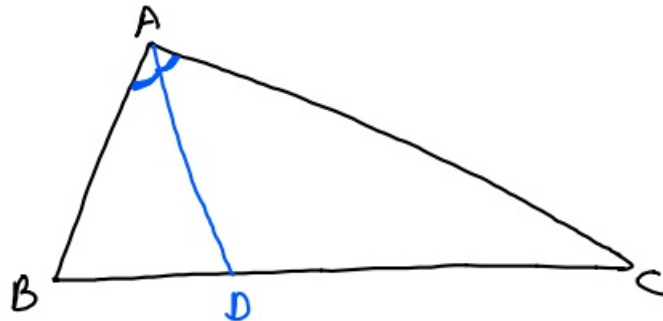
\overline{AD} is median of $\triangle ABC$

Altitude



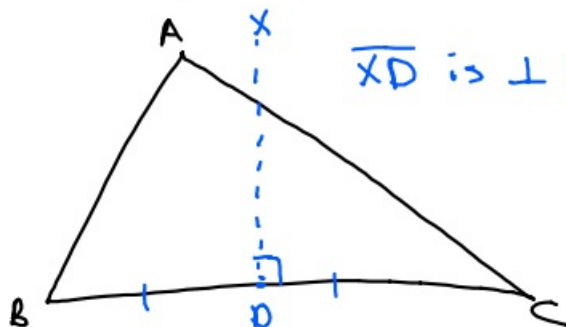
\overline{AD} is the altitude of $\triangle ABC$

Angle bisector



$\angle BAD = \angle DAC$

Perpendicular bisector



\overline{XD} is \perp bisector of $\triangle ABC$

Find BC if \overline{CG} is median of $\triangle ABC$.

