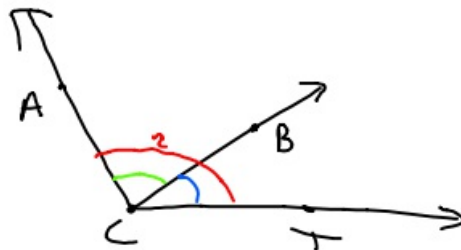
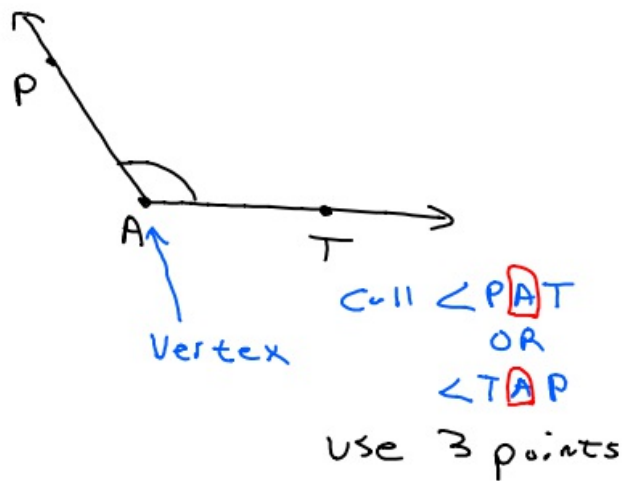


8-26-19 6th Geo

I vs. me

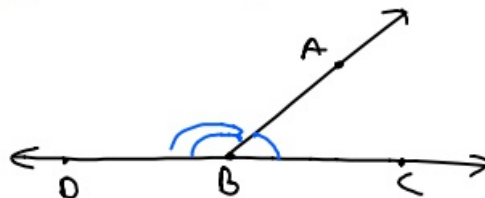


Name me the angles you see.



Linear pair

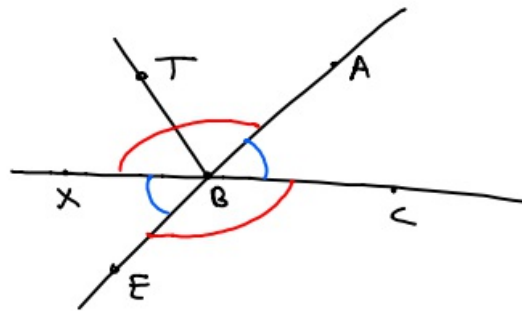
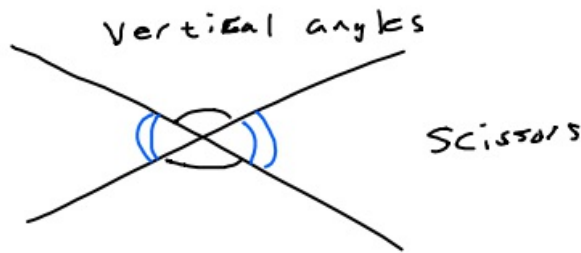
pair of angles that make a line. Angles are adjacent



$\angle ABC$ with $\angle CBD$

Complementary Angles $\rightarrow 90^\circ$

Supplementary Angles $\rightarrow 180^\circ$

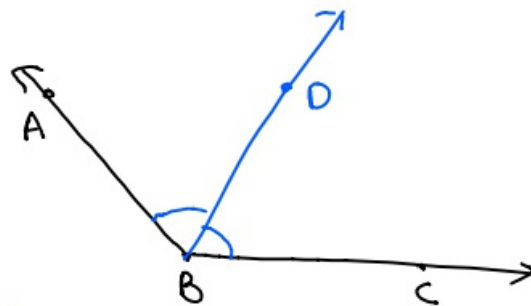


$\angle EBX \neq \angle ABC$

$\angle CBE \neq \angle ABX$

Bisecting an angle

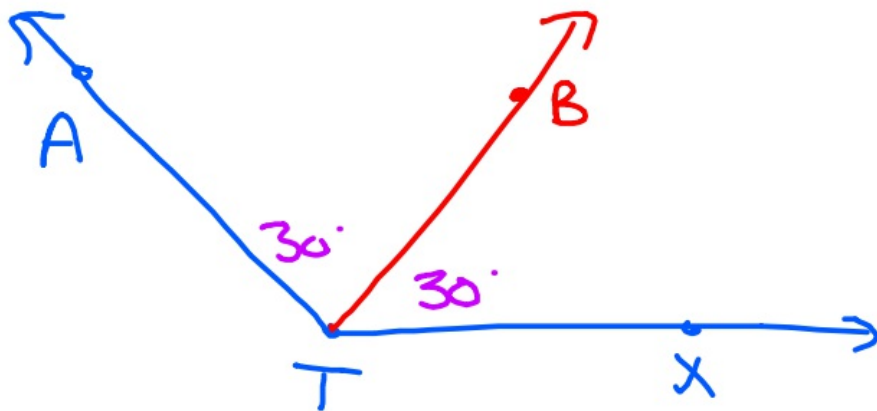
Cut it into two equal parts.



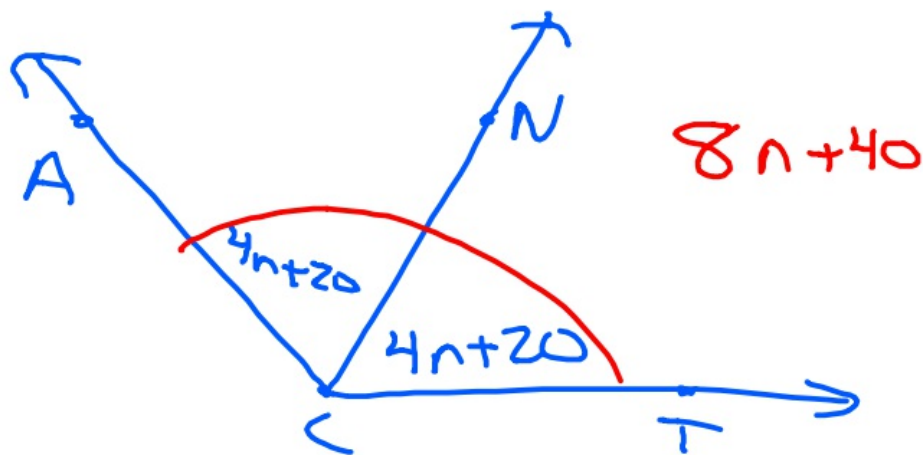
\rightarrow BD bisects $\angle ABC$

① \vec{TB} bisects $\angle ATX$. If $\angle XTB = 30^\circ$, what is $\angle ATX$?

60°



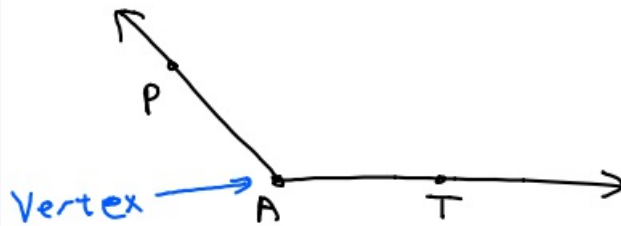
② \vec{CN} bisects $\angle ACT$. If $\angle NCT = 4n + 20$, what is $\angle ACT$?



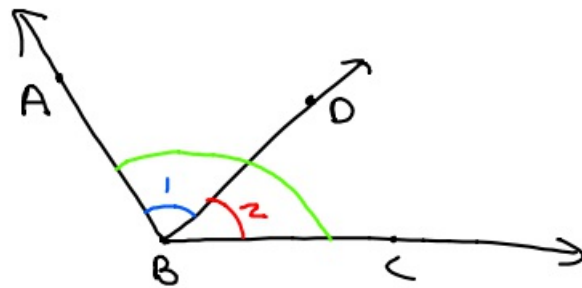
8-26-19 7th Geo

I vs. me

Angles

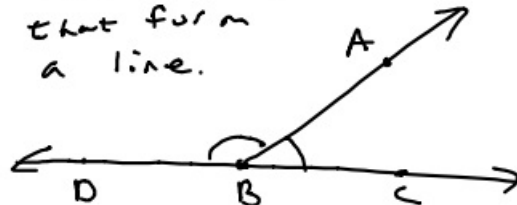


$\angle PAT$ or $\angle TAP$



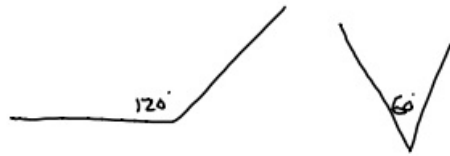
Linear Pair

Pair of angles with common side that form a line.



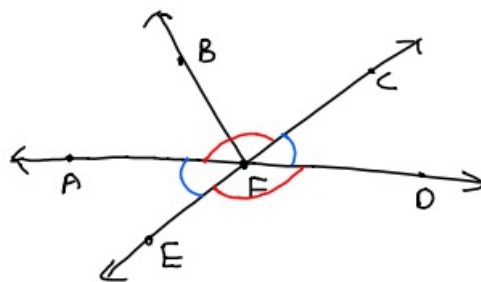
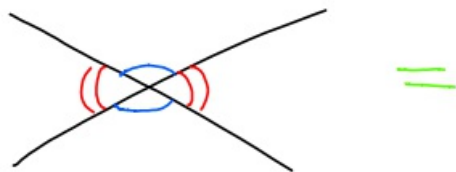
Complementary Angles $\rightarrow 90^\circ$

Supplementary Angles $\rightarrow 180^\circ$



Vertical Angles

Scissors



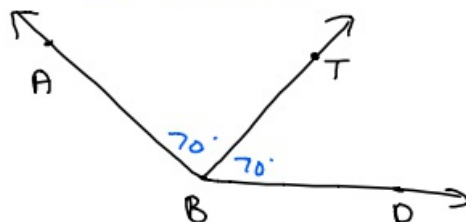
Name me some vertical \angle 's.

$\angle AFE$ & $\angle CFD$ $\angle AFC$ & $\angle DFE$

Bisecting Angles

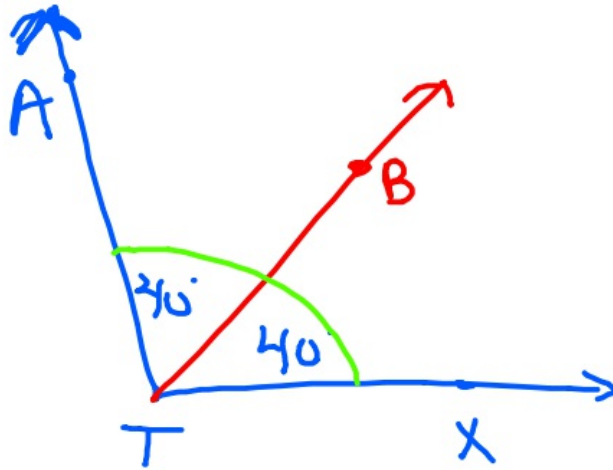
cut an angle into 2 equal parts.

\overrightarrow{BT} bisects $\angle ABD$

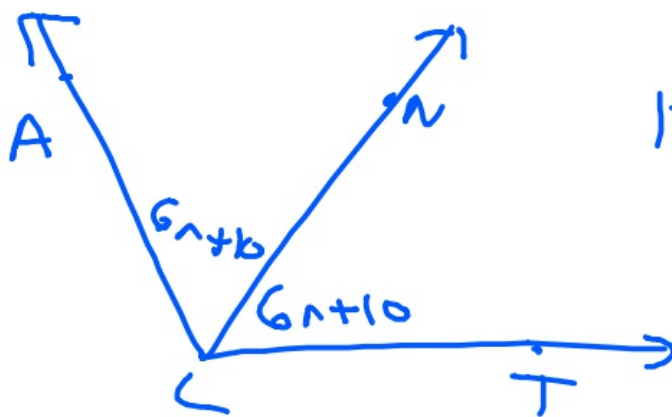


- ① \vec{TB} bisects $\angle ATX$. If $\angle BTX = 40^\circ$, what is $\angle ATX$?

80°



- ② \vec{CN} bisects $\angle ACT$. If $\angle NCT = 6n + 10$, what is $\angle ACT$?



$12n + 20$