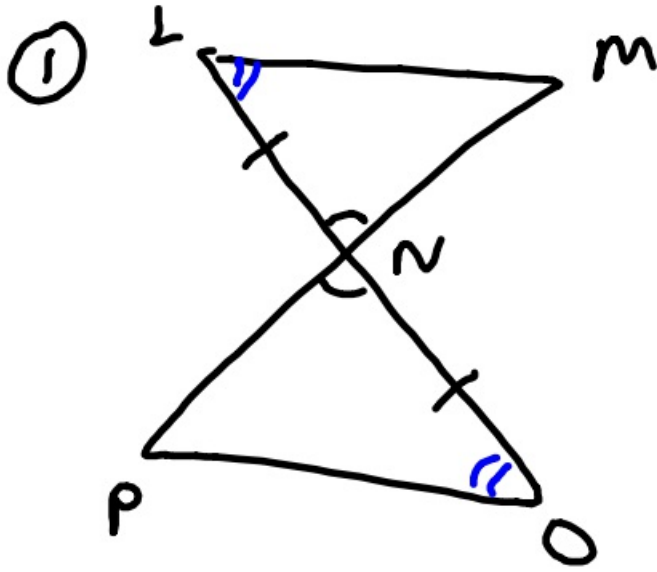
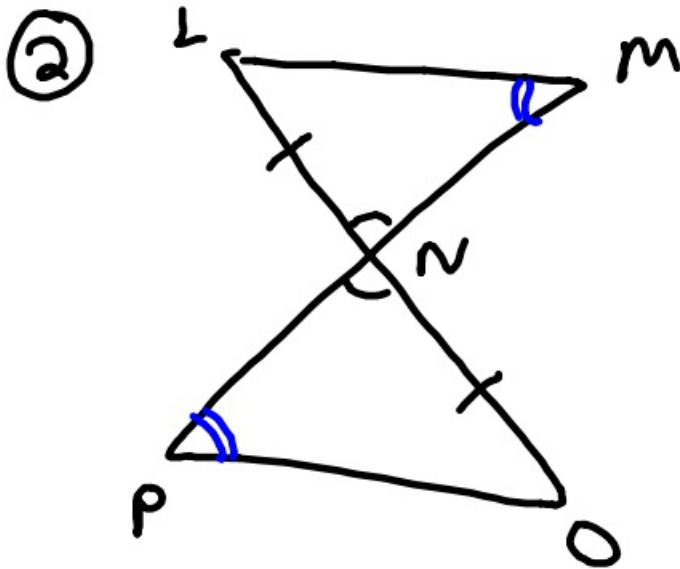


10-11-18 5<sup>th</sup> Geo

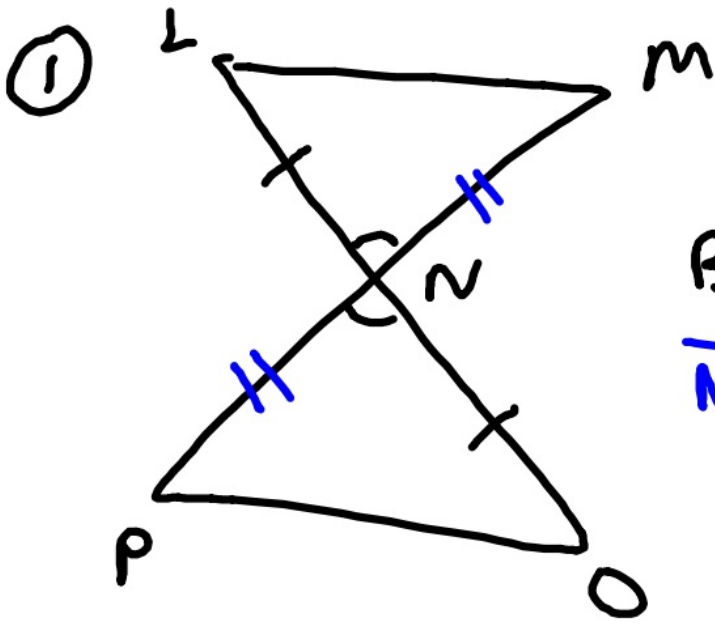


What more  
do I need  
to know to  
prove  
 $\triangle MNL \cong \triangle PNO$   
by

a.) ASA  $\angle L \cong \angle O$

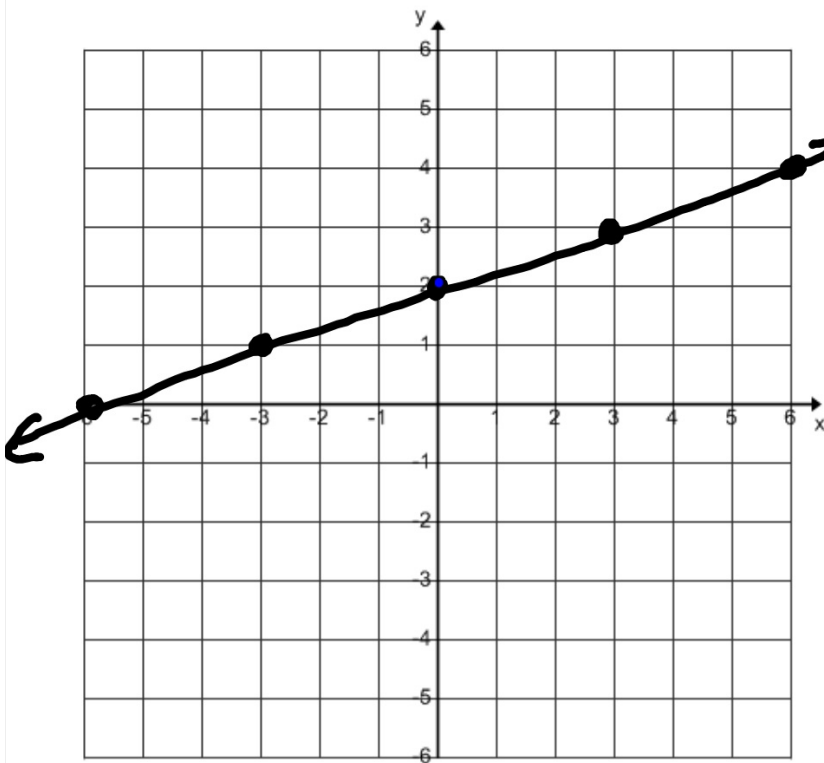


By AAS  
 $\angle P \cong \angle M$



By SAS  
 $\overline{NP} \cong \overline{MN}$

---



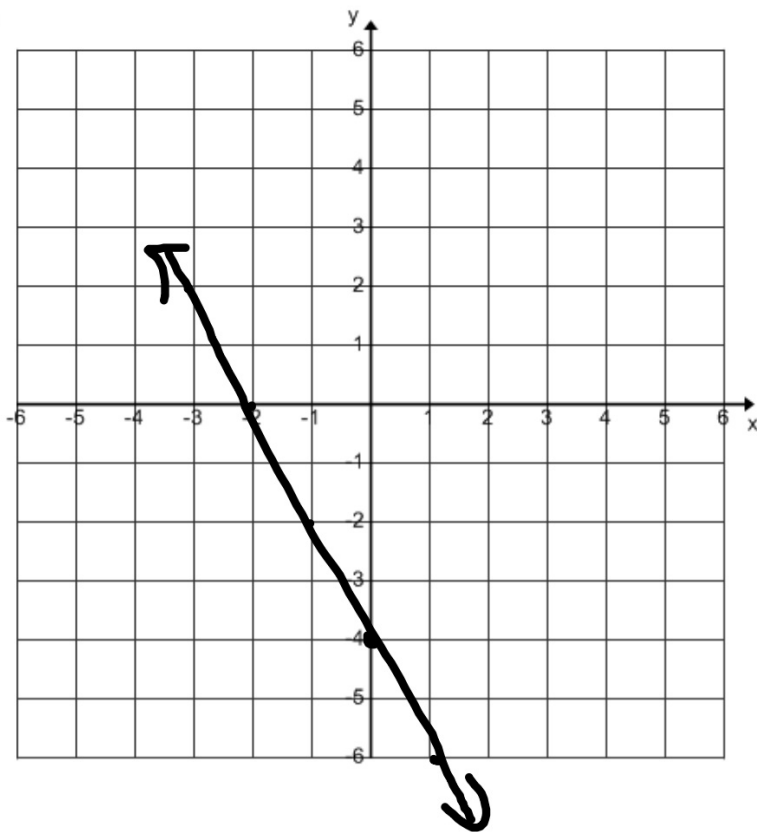
$$m = \frac{1}{3}$$

y-intercept of 2.

$$y = mx + b$$

$$y = \frac{1}{3}x + 2$$

-



$$y = -2x - 4$$

.

$$y - y_1 = m(x - x_1)$$

point-slope formula

- ① Give equation in SIF that goes through (2, 4) and has a slope of 5.  $x_1, y_1$

$$y - 4 = 5(x - 2)$$

$$y - 4 = 5x - 10$$

$$\begin{array}{r} y - 4 = 5x - 10 \\ +4 \qquad \qquad +4 \\ \hline y = 5x - 6 \end{array}$$

$$y = 5x + b$$

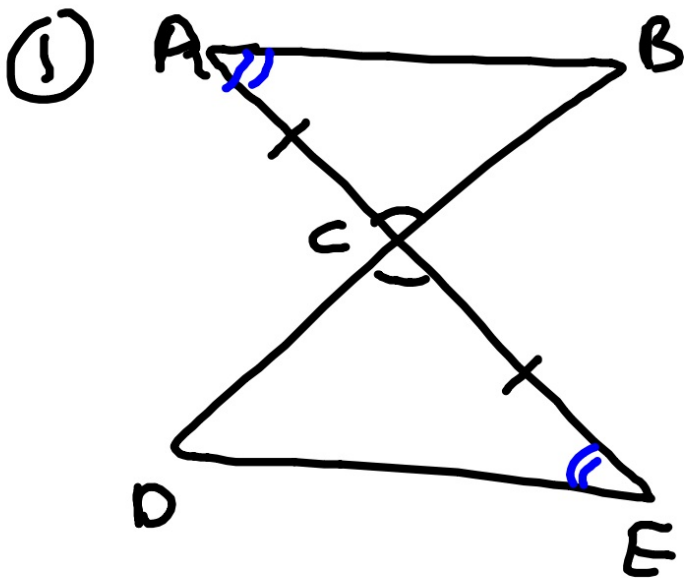
$$4 = 5 \cdot 2 + b$$

$$4 = 10 + b$$

$$b = -6$$

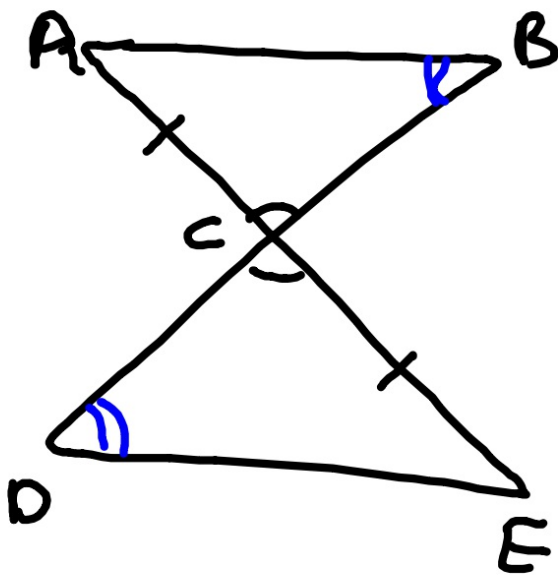
$$y = 5x - 6$$

10-11-18 6<sup>th</sup> Geo



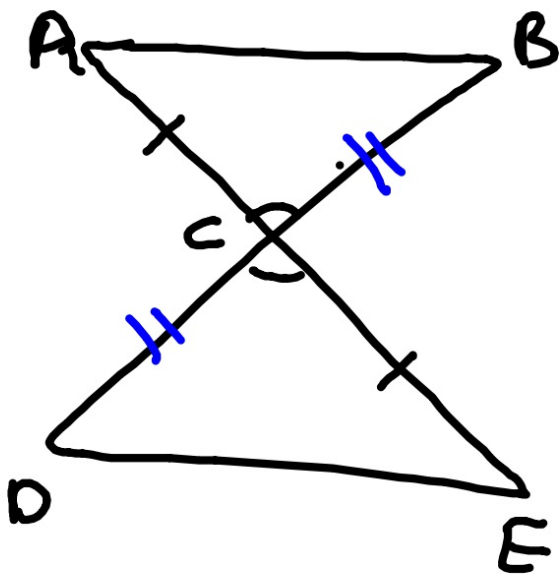
What must be true for  
 $\triangle ABC \cong \triangle EDC$  by ASA?  
 $\angle A \cong \angle E$

②



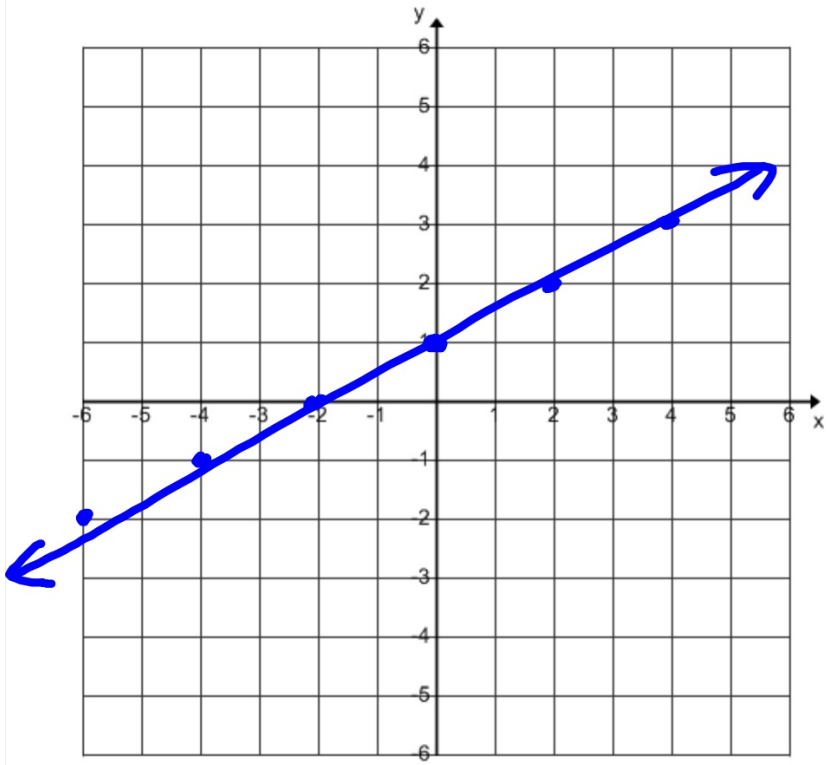
What must be true for  
 $\triangle ABC \cong \triangle EDC$  by AAS?  
 $\angle B \cong \angle D$

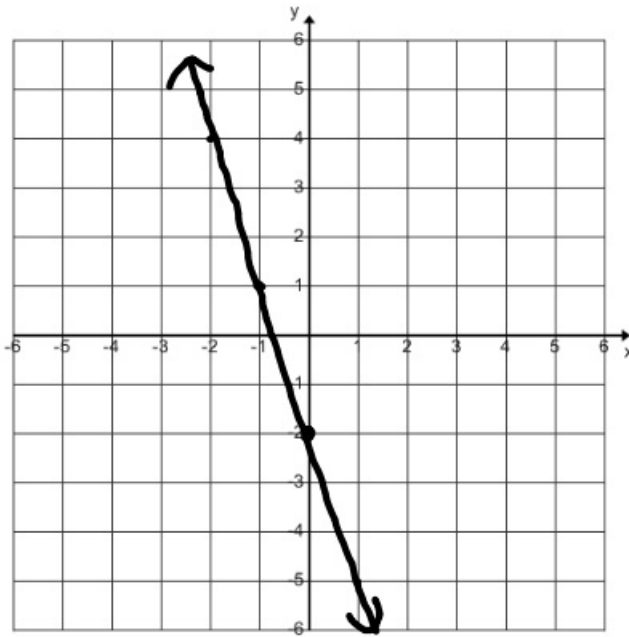
③



What must be true for  
 $\triangle ABC \cong \triangle EDC$  by SAS?  
 $\overline{BC} \cong \overline{DC}$







$$y = 3x - 2$$

① Give the equation in Slope intercept form, SIF, that goes through  $(2, 5)$  and has a slope of 6.

Point slope formula

$$y - y_1 = m(x - x_1)$$

$$y - 5 = 6(x - 2)$$

$$y - 5 = 6x - 12$$

$$\begin{array}{r} +5 \qquad \qquad +5 \\ \hline y = 6x - 7 \end{array}$$

$$y = mx + b$$

$$5 = 6 \cdot 2 + b$$

$$5 = 12 + b$$

$$\begin{array}{r} -12 \quad -12 \\ \hline \end{array}$$

$$b = -7$$

$$y = mx + b$$

$$y = 6x - 7$$