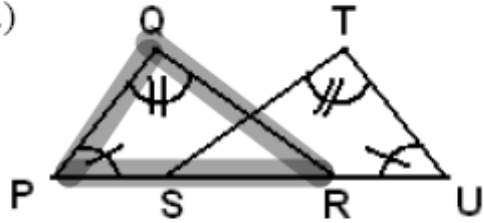
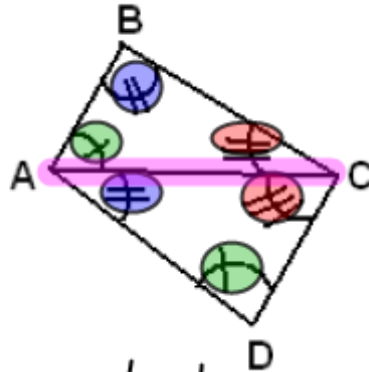


1.)



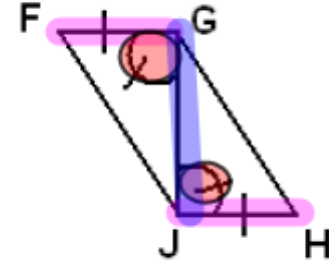
No!

2.)



No!

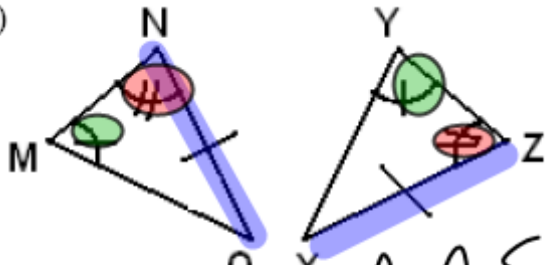
3.)



Yes! (SAS)

$$\triangle FGH \cong \triangle HJG$$

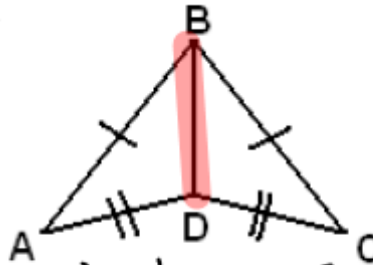
4.)



Yes! AAS

$$\triangle MNO \cong \triangle YZX$$

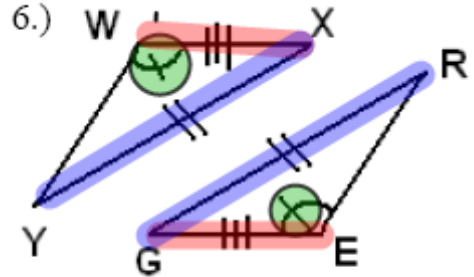
5.)



Yes! SSS

$$\triangle ABD \cong \triangle CBD$$

6.)



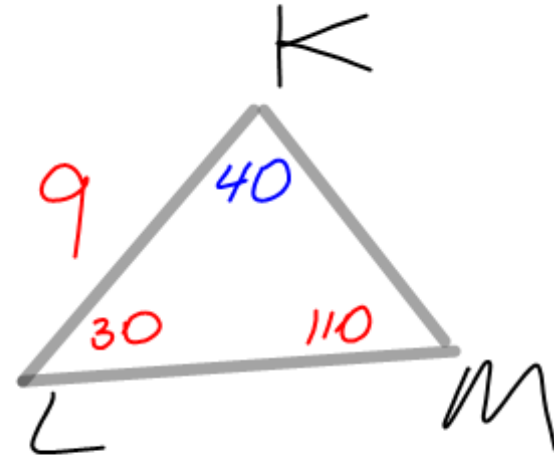
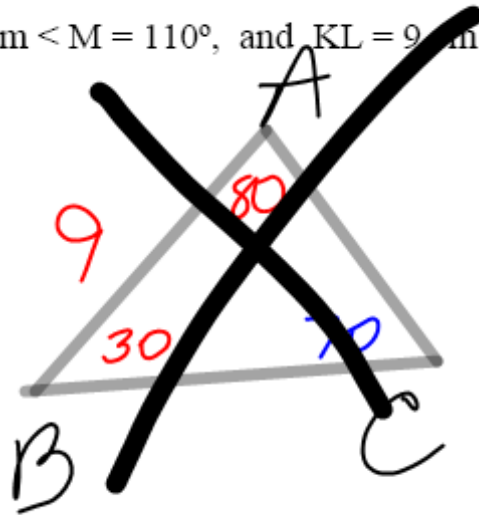
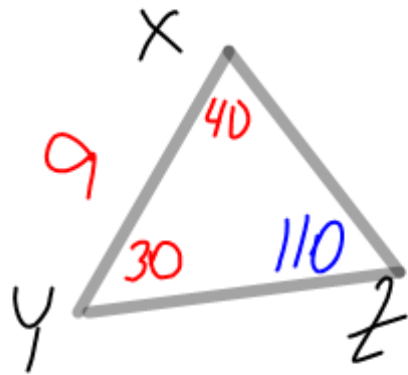
No!

10.) Of the triangles described below, which two are congruent and how do you know you are correct?

(A) $\triangle XYZ$: $m\angle X = 40^\circ$, $XY = 9$ cm, and $m\angle Y = 30^\circ$

(B) $\triangle ABC$: $AB = 9$ cm, $m\angle B = 30^\circ$, and $m\angle A = 80^\circ$

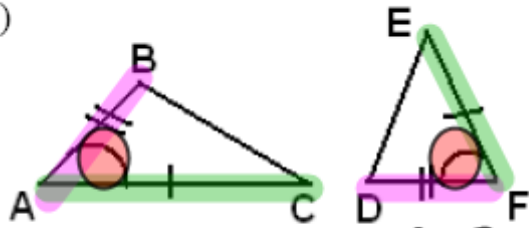
(C) $\triangle KLM$: $m\angle L = 30^\circ$, $m\angle M = 110^\circ$, and $KL = 9$ cm



$$\triangle XYZ \cong \triangle KLM$$

[ASA or AAS]

1.)

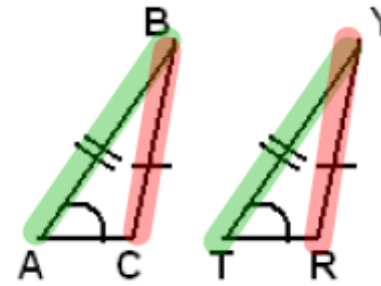


Yes

SAS

$$\triangle ABC \cong \triangle FDE$$

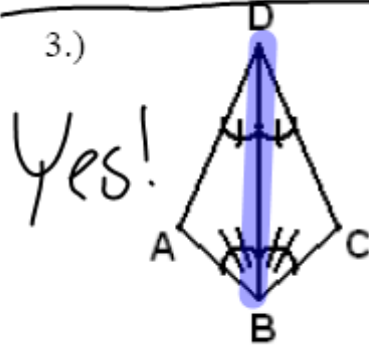
2.)



No!

SSA

3.)

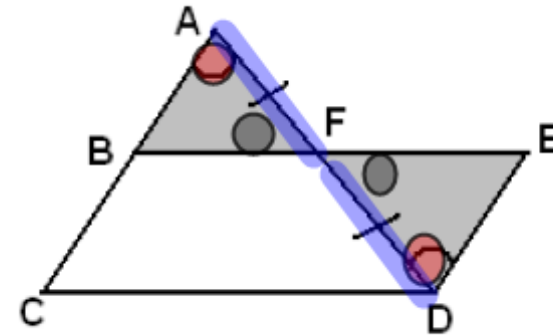


Yes!

ASA

$$\triangle ABD \cong \triangle CBD$$

4.)

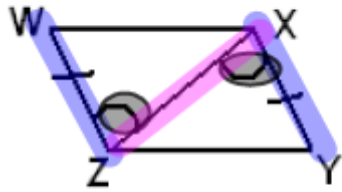


Yes!

ASA

$$\triangle ABF \cong \triangle EDF$$

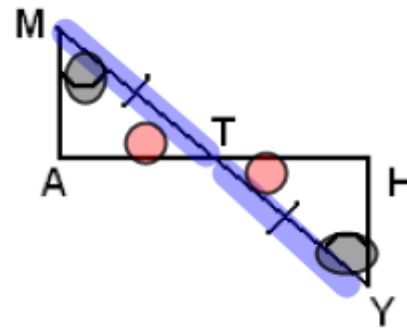
5.)



Yes
SAS

$$\Delta WZX \cong \Delta YXZ$$

6.)

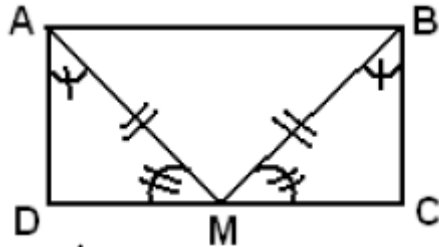


Yes!

ASA

$$\Delta MAT \cong \Delta YHT$$

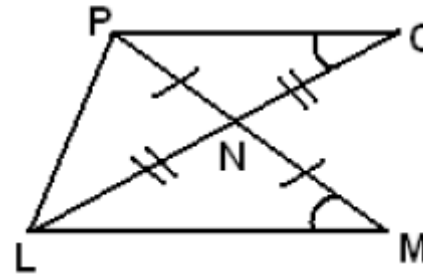
7.)



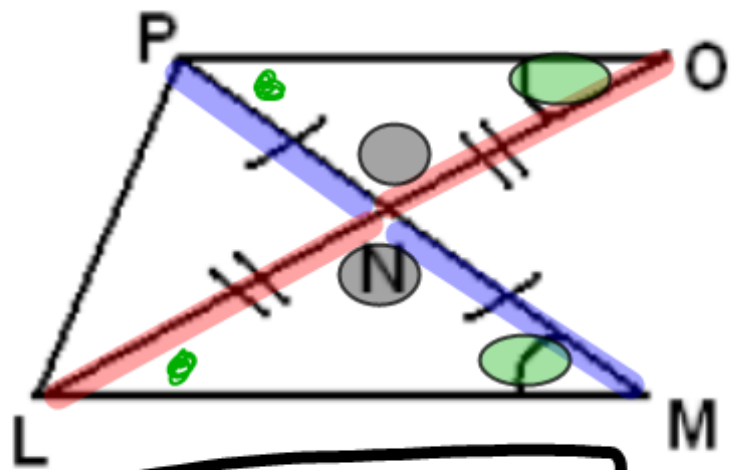
Yes! ASA

$$\Delta ADM \cong \Delta BCM$$

8.)



8.)



1.) No? SSA

2.) SAS?
Yes
 $\triangle PNO \cong \triangle MNL$
★

~~3.) ASA?~~