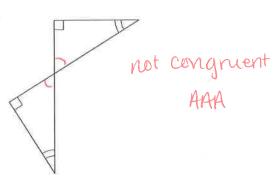
Review - Chapter 4

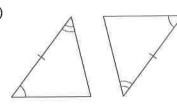
Block Date

State if the two triangles are congruent. If they are, state how you know.

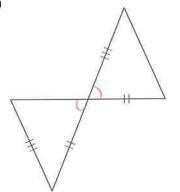
1)



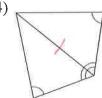
2)



3)



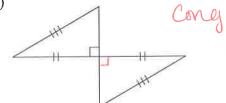
not congruent



5)

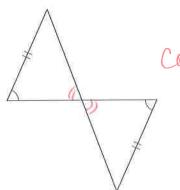


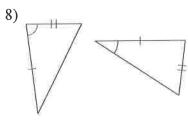
6)



Congreent H

7)

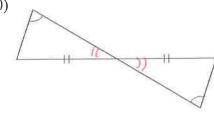




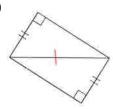
9)



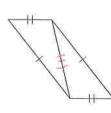
10)



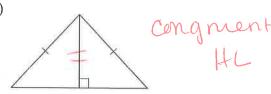
11)



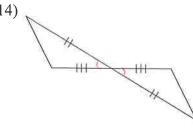
13)



12)



14)



Complete each congruence statement by naming the corresponding angle or side.

15)
$$\triangle ACB \cong \triangle CAW$$

17)
$$\Delta JHI \cong \Delta HJS$$

16)
$$\triangle ABC \cong \triangle JKC$$

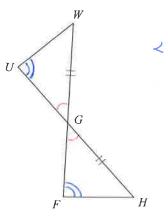
$$\overline{AB} \cong ? \quad \overline{JK}$$

18)
$$\Delta KJI \cong \Delta BCI$$

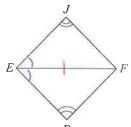
$$\angle K \cong ? \angle B$$

State what additional information is required in order to know that the triangles are congruent for the reason given. red=always allowed to mark

19) AAS

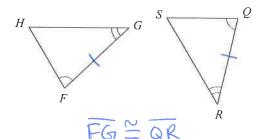


< WUG ≥ < GFH

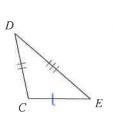


LJEF = < FED <.JFE º < DFE

21) ASA

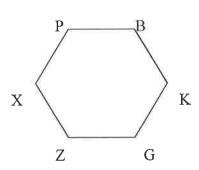


22) SSS



CE SGI

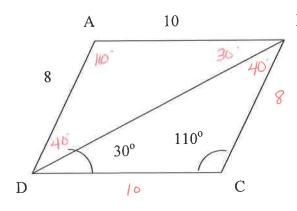
29. List two ways that you can properly name the hexagon.



30. If triangle ABC is congruent to triangle XYZ, then < A is congruent to < X.

What statement / postulate allows this to be true?

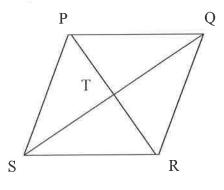
31. Find the requested measurements for the parallelogram.



< DBC = 40В

$$<$$
ADC = $\frac{70}{}$

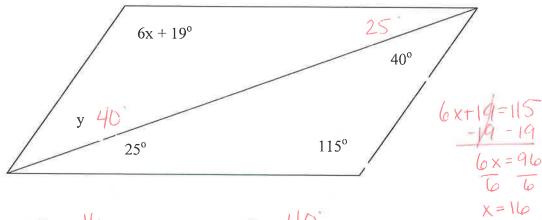
32. List all of the congruent segments for rhombus PQRS.



Congruent to PT:

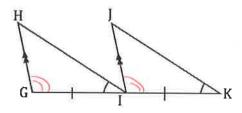
Congruent to PQ:

34. Given the below picture, solve for x and y



35.

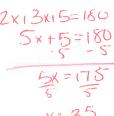
- Given: $\overline{HG}||\overline{JI}, \overline{GI} \cong \overline{IK}$, and $\angle HIG \cong \angle JKI$

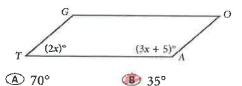


Prove: ∠C≅∠F ∠H≅∠J

© 110°

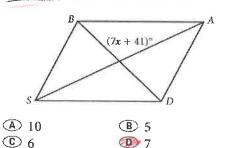
1. *Multiple Choice* Find the value of *x* for parallelogram *GOAT*.





① 25°

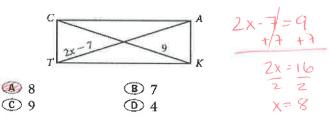
2. *Multiple Choice* If *SBAD* is a rhombus, what is the value of x?



y = 40

Statements	Reasons
HG11JI	given
GIZIK	given
LHIG=LJKI	given
<hgi <jik<="" =="" td=""><td>corresponding</td></hgi>	corresponding
AICAEIBHA	ASA
CONT.	
くみ至く丁	CPCTC ///

3. *Multiple Choice* TCAK is a rectangle. Solve for x.



4. Multiple Choice For parallelogram GEOM if $m\angle GEM = 3x - 10$ and $m\angle EMO = 2x$, what is x?

A 12

10

