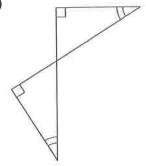
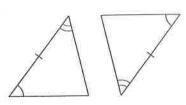
Review - Chapter 4

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

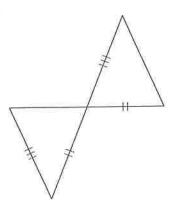
1)



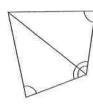
2)



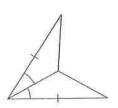
3)



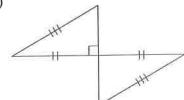
4)



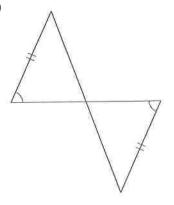
i)



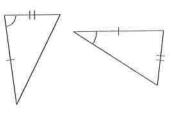
6)



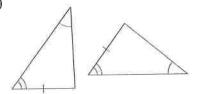
7)



8)

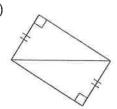


9)

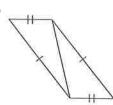


10)

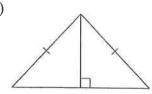
11)



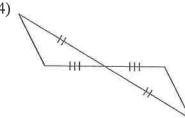
13)



12)



14)



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

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

 $\angle B \cong ?$

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

 $\overline{HI} \cong ?$

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

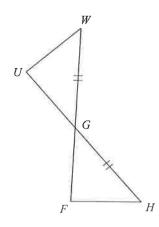
 $\overline{AB} \cong ?$

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

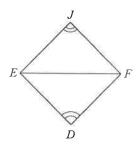
 $\angle K \cong ?$

State what additional information is required in order to know that the triangles are congruent for the reason given.

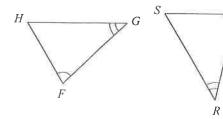
19) AAS



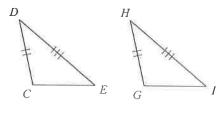
20) AAS



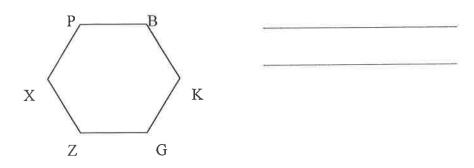
21) ASA



22) SSS



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

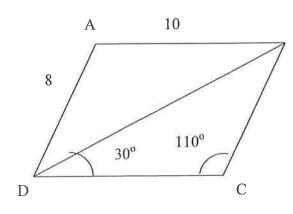


30. If triangle ABC is congruent to triangle XYZ, then < A is congruent to < X.

What statement / postulate allows this to be true?

В

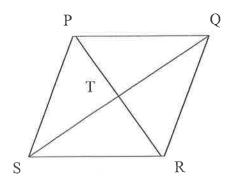
31. Find the requested measurements for the parallelogram.



- < DBC =
 - < BDA =
 - < A =
 - < ADC = _____
 - DC = ____

BC =

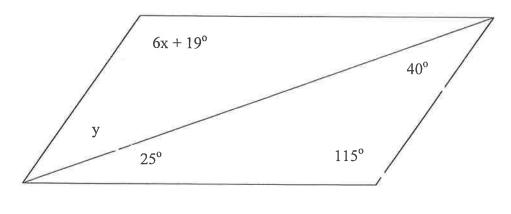
32. List all of the congruent segments for rhombus PQRS.



Congruent to PT:

Congruent to PQ:

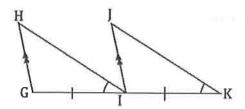
34. Given the below picture, solve for x and y



$$X =$$

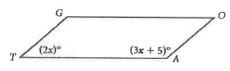
35.

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

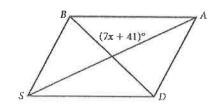


Prove: ∠C≅∠F

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

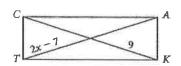


- ⚠ 70°
- **®** 35°
- © 110°
- ① 25°
- 2. *Multiple Choice* If *SBAD* is a rhombus, what is the value of x?

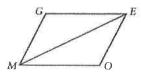


- A) 10
- © 6
- **B** 5
- **①** 7

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



- (A) 8 (C) 9
- B 7
- 9 **D** 4
- **4.** Multiple Choice For parallelogram GEOM if $m\angle GEM = 3x 10$ and $m\angle EMO = 2x$, what is x?



- A) 12
- B 12
- © 10
- D 21