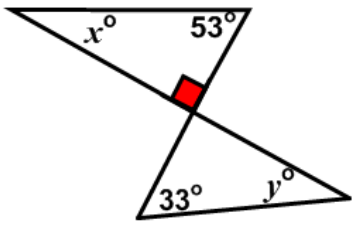
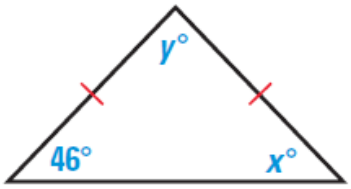
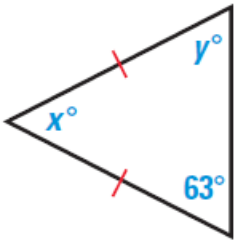
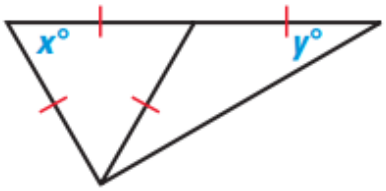
GEOMETRY – HW#66 **Name**_____
Section 4.1F

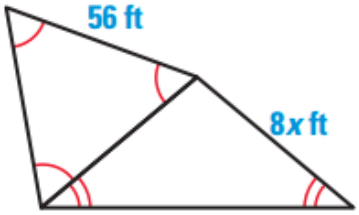
Solve for the variable(s).

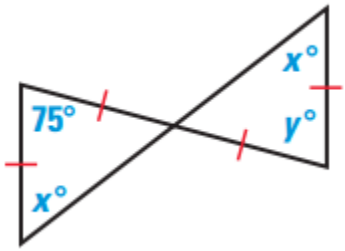
1. 

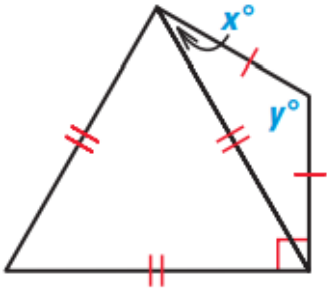
2. 

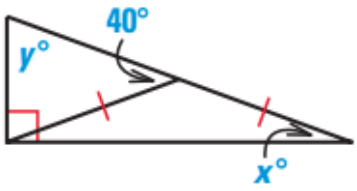
3. 

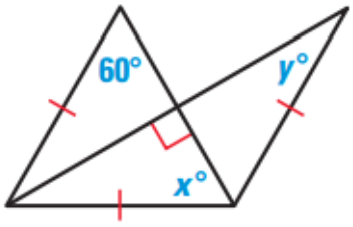
4. 

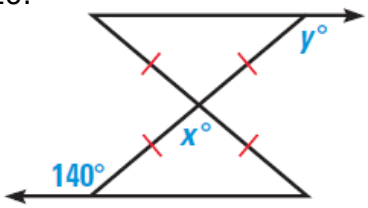
5. 

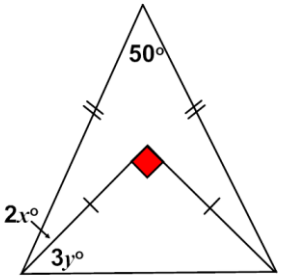
6. 

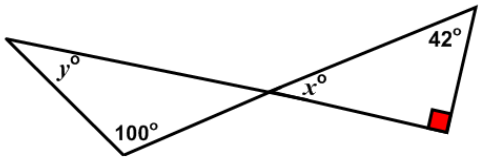
7. 

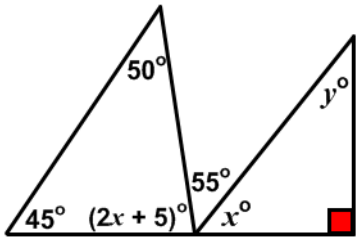
8. 

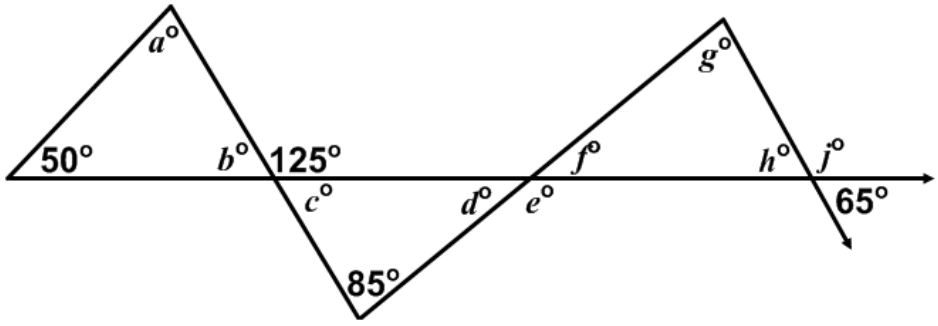
9. 

10. 

11. 

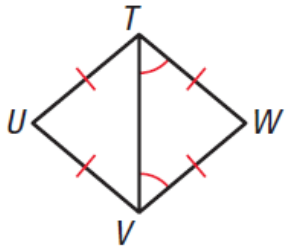
12. 

13. 

14. 

Determine whether the two triangles are congruent. If they are congruent, determine whether they are congruent by SSS, SAS, AAS, ASA, or HL.

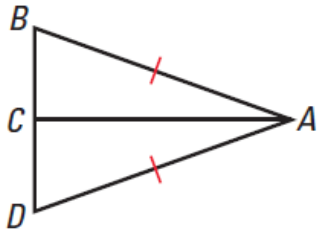
16.



Congruent Δ: YES or NO

Congruent how?_____

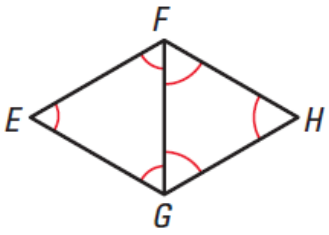
17.



Congruent Δ: YES or NO

Congruent how?_____

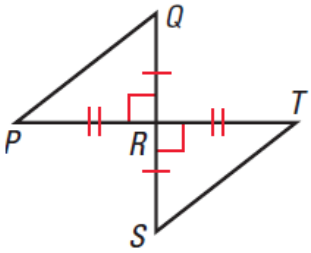
18.



Congruent Δ: YES or NO

Congruent how?_____

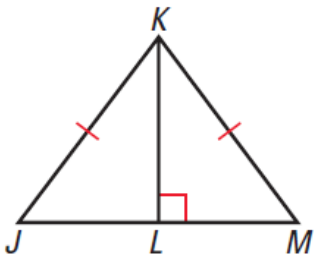
19.



Congruent Δ: YES or NO

Congruent how?_____

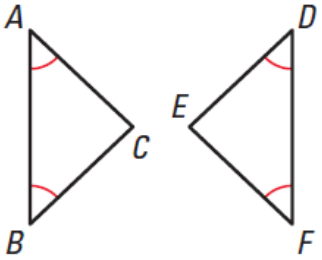
20.



Congruent Δ: YES or NO

Congruent how?_____

21.



Congruent Δ: YES or NO

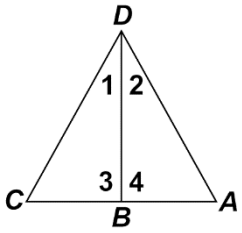
Congruent how?_____

22.

Given: $\overline{BD}$ *bisects* $\angle ADC$

$\overline{DB} \perp \overline{AC}$

Prove: ΔADC *is an isosceles* Δ



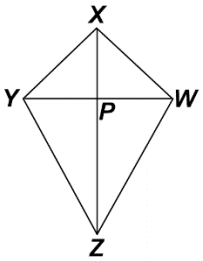
Statements	Reasons

23.

Given: $\overline{ZX}$ *bisects* $\angle YXW$

$\angle XYP \cong \angle XWP$

Prove: $\angle YZX \cong \angle WZX$



Statements	Reasons