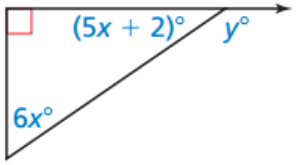
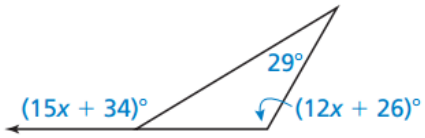
Name: Date: Period :

HW #5-7: Quiz Review

Check answers on classroom website

1. Find the measure of the exterior angle.

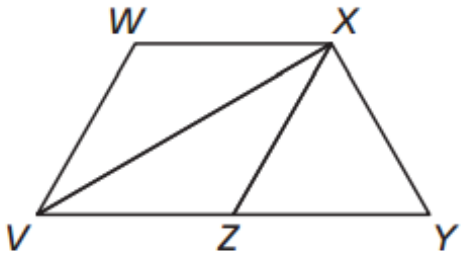
a. 

b. 

2. Given $\Delta JKL \cong \Delta DEF$, identify the congruent corresponding parts.

a. $\overline{KL} \cong$ _____ b. $\overline{DF} \cong$ _____ c. $\angle K \cong$ _____ d. $\angle F \cong$ _____

3. Complete the statement. Use the diagram.



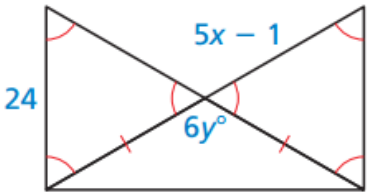
a. If $\overline{VW} \cong \overline{WX}$, then $\angle$ _____ $\cong \angle$ _____

b. If $\overline{XZ} \cong \overline{XY}$, then $\angle$ _____ $\cong \angle$ _____

c. If $\angle ZVX \cong \angle ZXV$, then _____ $\cong$ _____

d. If $\angle XYZ \cong \angle ZXY$, then _____ $\cong$ _____

4. Find the values of x and y.



5. The figure shows a stained glass window.

a. Classify triangles 1 – 4 by their angles

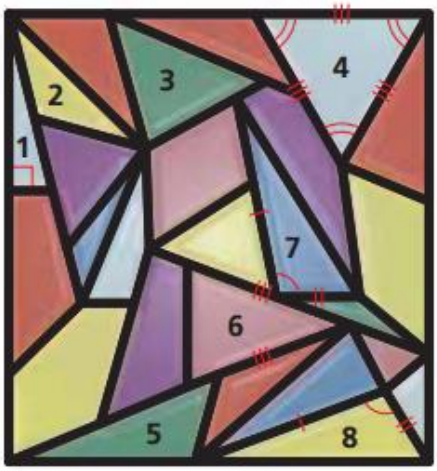
Δ1: Δ2:

Δ3: Δ4:

b. Classify triangles 4-6 by their angles

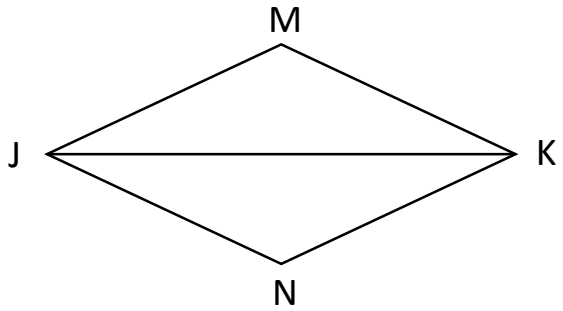
Δ4: Δ5:

Δ6:



c. If there enough information to prove that $\Delta 7 \cong \Delta 8$? If so, explain. If not, determine what additional information is needed.

6. Write a two-column proof.
Given: $\overline{JK}$ bisects $\angle MJN$
$\overline{MJ} \cong \overline{NJ}$
Prove: $\Delta MJK \cong \Delta NJK$



Statements	Reasons