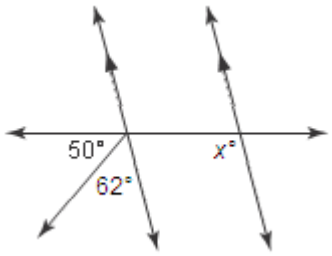
NAME _____ DATE _____

Chapter 5 Quiz 1 Practice

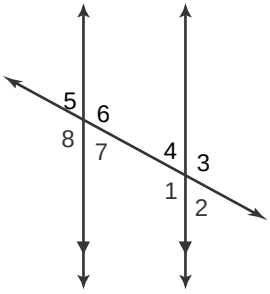
1. What is the value of *x* in the figure at the right?



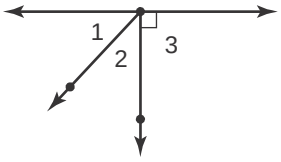
2. Which pair of angles is *not* congruent?

F. $\angle 1$ and $\angle 8$ **H.** $\angle 4$ and $\angle 7$

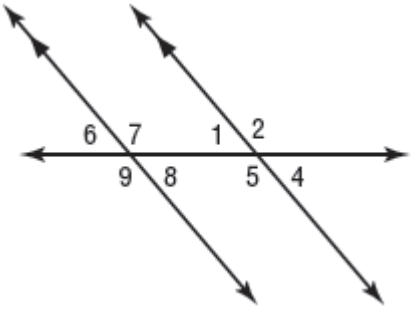
G. $\angle 3$ and $\angle 5$ **I.** $\angle 2$ and $\angle 5$



3. In the figure below, $m\angle 1 = x$ and $m\angle 2 = x - 8$. What is the measure of $\angle 2$?



4. Provide one example of each the following:



Vertical Angles:

Adjacent Angles:

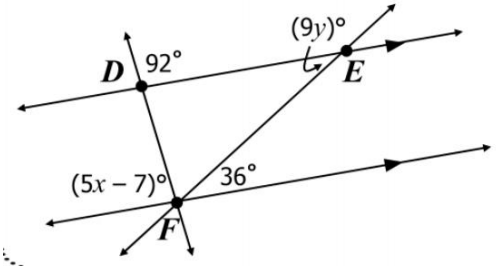
Supplementary Angles:

Alternate Interior Angles:

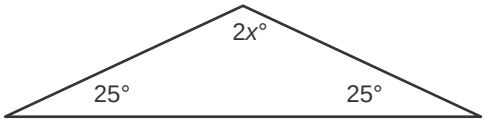
Alternate Exterior Angles:

Corresponding Angles:

5. Find the values of *x* and *y* in the figure to the right.

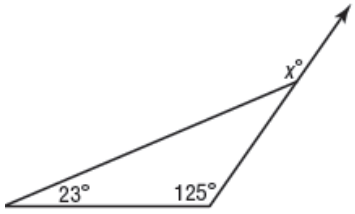


6. What is the value of x in the triangle below?

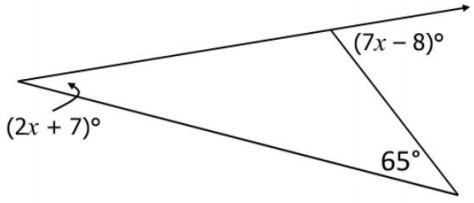


Find the value of x in the figures below.

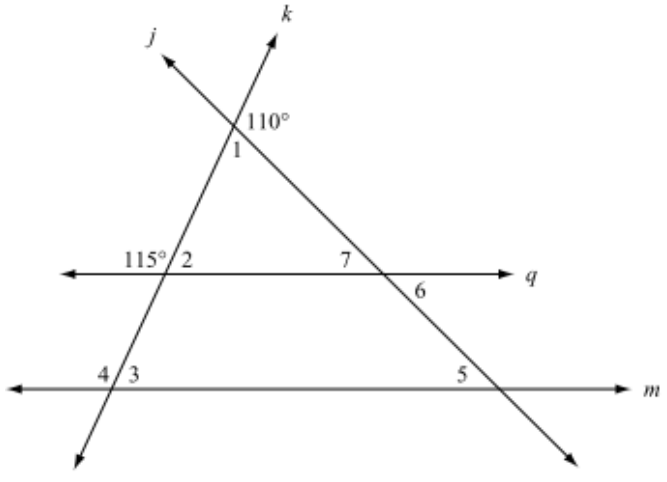
7)



8)

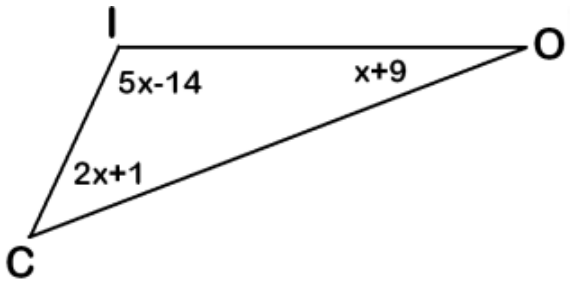


9. Suppose lines m and q are parallel. Find the value for all seven missing angle measures in the figure below.



10. The brackets for a shelf are in the shape of a triangle. Find the angles of the triangle if the measures of the angles are in the ratio $x : 2x : 3x$.

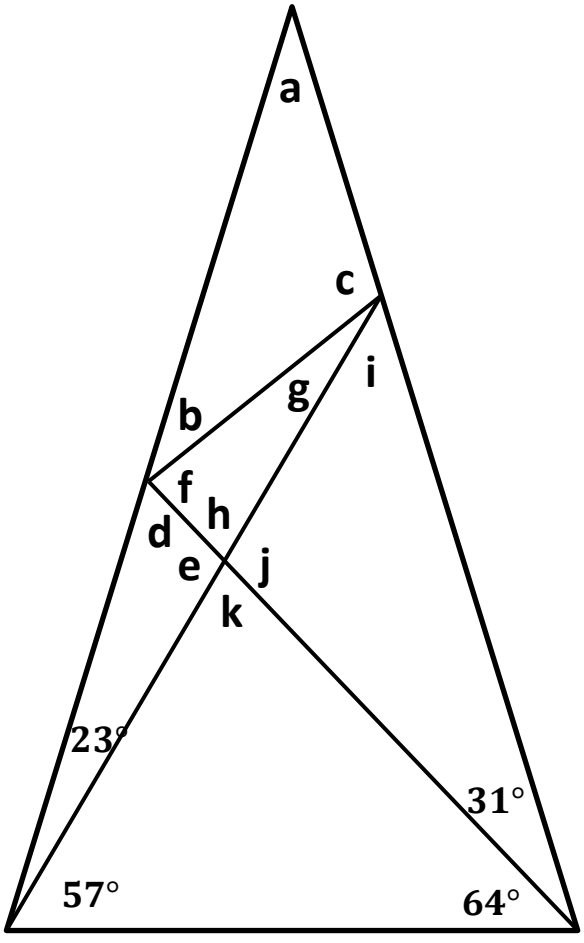
11. What is the value of each of the triangles three angles?



X = ___ m∠C = ___°

m∠I = ___° m∠O = ___°

12. Label each angles with the correct measure.



m < a = _____

m < b = _____

m < c = _____

m < d = _____

m < e = _____

m < f = _____

m < g = _____

m < h = _____

m < i = _____

m < j = _____

m < k = _____