Review Worksheet 6: *Practice for Written Sections of Test 6*   **Math8**

1. Classify each angle pair as *vertical*, *alternate interior*, *alternate exterior*, or *corresponding*.
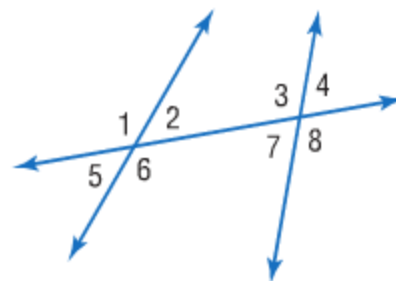
   a. ∠2 and ∠4

   b. ∠3 and ∠6

   c. ∠1 and ∠6

   d. ∠2 and ∠7
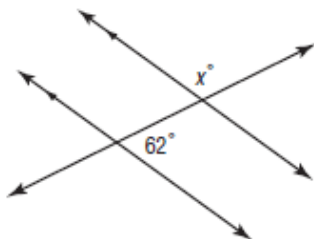
   e. ∠4 and ∠5

   f. ∠5 and ∠7

2. Using the diagram from #1

   a. Name two pairs of supplementary angles.

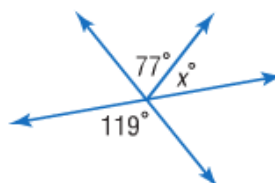   **b.** Name four pair of congruent angles

3. Find the value of x in each figure.
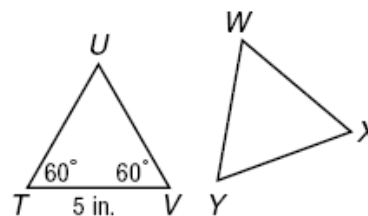
   a.

   $62°$

   $x°$

   b.

   x $41°$

   c.

   $129°$ $x°$

   d.

   $77°$ $x°$

   $119°$
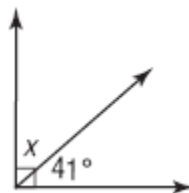
4. Find the sum of the measures of the interior angles of:

    a. a 21-gon   **b.** a 25-gon.

5. Find the measure of one interior angle in the given figure.
Round to the nearest tenth if necessary.

    a. a regular 11-gon   **b.** a regular 13-gon.

6. Find each measure. In the figure, $\triangle TUV \cong \triangle WXY$.

    a. WY   **b.** m∠X

7. In the figure, quadrilateral QRST is congruent to JKLM. Find each measure.

    a. QT

    b. QR

    c. m∠M

    d. m∠K