Lesson 1.2 Assignment   Name:_____
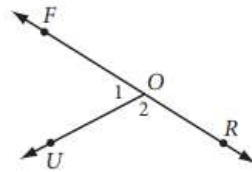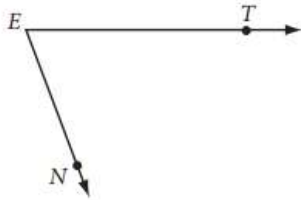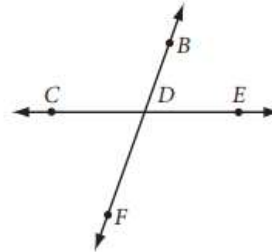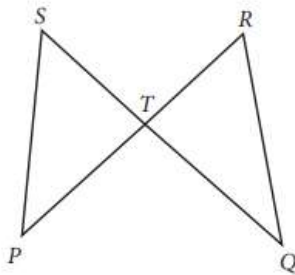
Complete.

    1) Name each angle in three different ways.

Draw and label each angle.

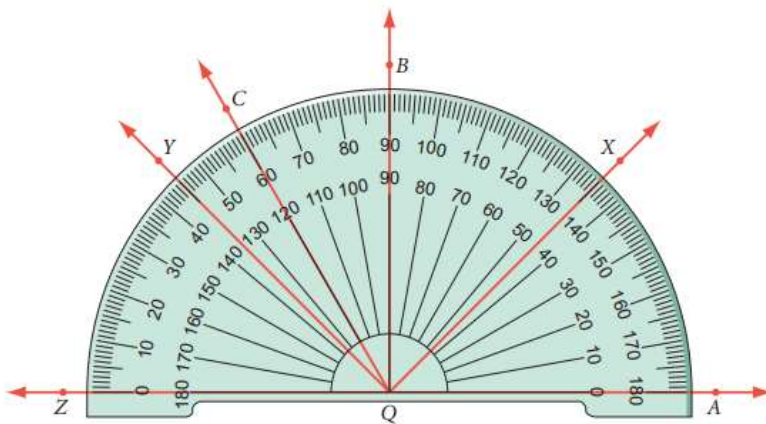   2) ∠BIG   3) ∠SML

Complete.

    4) For each figure, list the angles you can name using only the vertex letter.

   5) Draw a figure that contains at least three angle and requires three letters to name each angle.

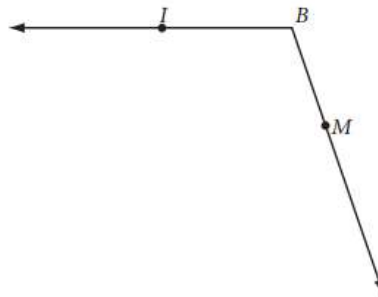**Find the measure of each angle to the nearest degree.**

    6) m∠AQB ≈_____   9) m∠AQY ≈_____   12) m∠CQB ≈_____
    7) m∠AQC ≈_____   10) m∠ZQY ≈_____   13) m∠XQY ≈_____
    8) m∠XQA ≈_____   11) m∠ZQX ≈_____
    14) ∠XQA and ∠XQY share a vertex and a side. Taken together they form the larger angle
        ∠AQY. Compare their measures. Does m∠XQA + m∠XQY = m∠AQY?

Use your protractor to find the measure of the angle to the nearest degree.

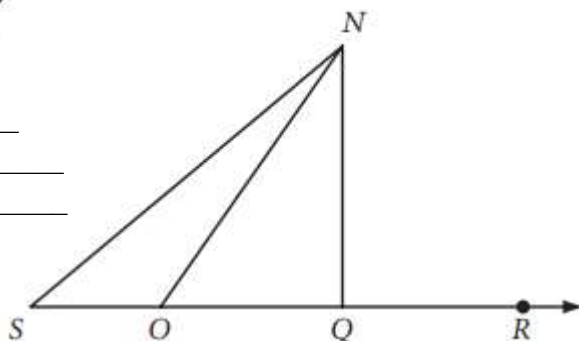15) $m\angle MAC \approx$ _____
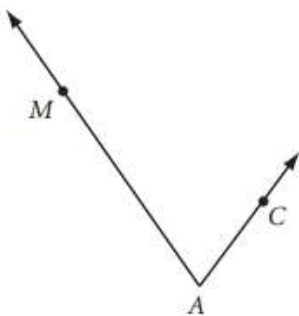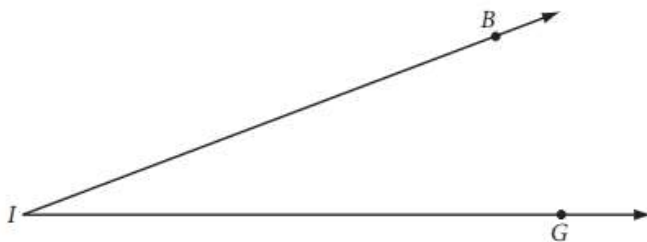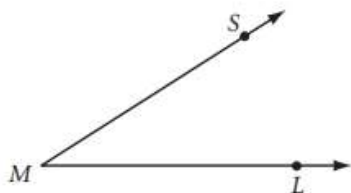
16) $m\angle IBM \approx$ _____

17) $m\angle S \approx$ _____
18) $m\angle SON \approx$ _____
19) $m\angle NOR \approx$ _____

20) Which angle below has the greater measure, $\angle SML$ or $\angle BIG$? Why?
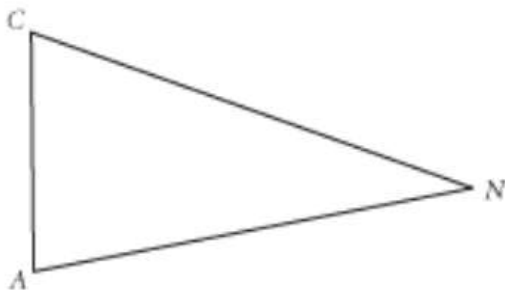
Use your protractor to draw angles with these measures

21) $m\angle A = 44°$

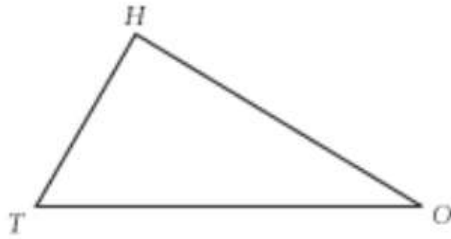22) $m\angle B = 90°$

23) $m\angle CDE = 135°$

Complete.

24) Use your protractor to find the angle bisector of $\angle A$. Label the point where it crosses $\overline{CN}$ point Y. Use your ruler to find the midpoint of $\overline{CN}$ and label it D. Are D and Y the same point?
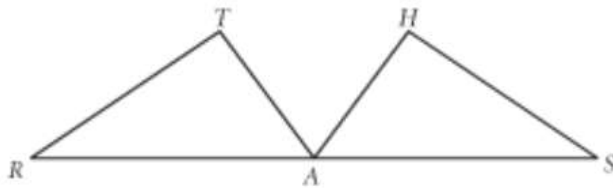
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Mark each figure with all the given information.

25) $TH = 6$
    $m\angle THO = 90°$
    $OH = 6$

27) $AT = AG$
    $\angle AGT \cong \angle ATG$
    $AI = AN$
    $GI = TN$

26) $RA = SA$
    $m\angle T = m\angle H$
    $RT = SH$
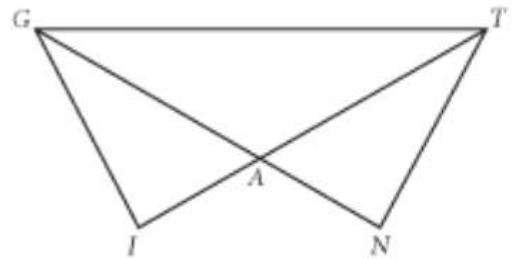
28) $\overline{BW} \cong \overline{TI}$
    $\angle WBT \cong \angle ITB$
    $\overline{WO} \cong \overline{IO}$
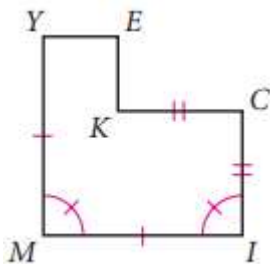 $\angle BWO \cong \angle TIO$
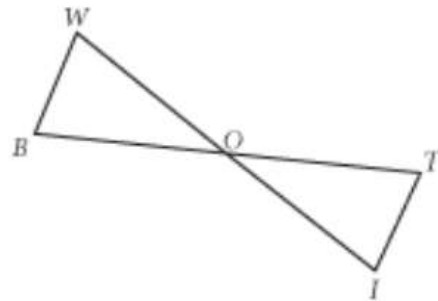
Write down what you know from the markings. Do not use your ruler or protractor.
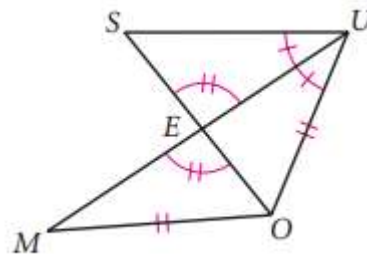
29) $MI =$_____

    $IC =$_____

    $m\angle M =$_____

30) $\angle MEO =$_____

    $\angle SUE =$_____

    $OU =$_____

31) What is the relationship between the measure of an angle and the reflex measure of the angle?