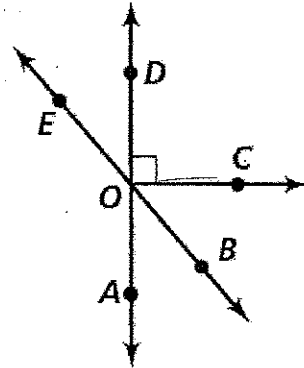


Angle Review

Name: _____

Use the figure at the right to answer the questions:

- Name an angle complementary to angle BOC
 $\angle BOA$
- Name an angle supplementary to angle BOC
 $\angle COE$
- Name an angle adjacent and congruent to angle AOC
 $\angle COD$
- Name an acute angle
 $\angle EOD, \angle COB, \angle BOA$
- Name a pair of vertical angles
 $\angle AOB \text{ + } \angle EOD$



6. Use the diagram at the right to find x and the measure of the angles

$\angle COD = 9x + 4, \angle BOC = 4x - 1, \angle BOD = 14x - 6$

$x = 9 \quad \angle COB = 85$

$\angle BOC = 35$

$\angle BOD = 120$

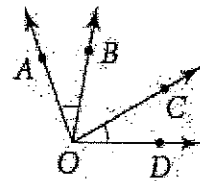
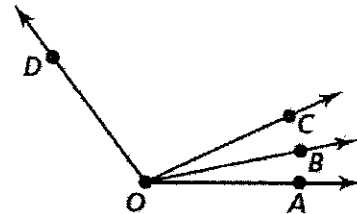
$m\angle AOB = 4x - 2, m\angle BOC = 5x + 10,$

$m\angle COD = 2x + 14$

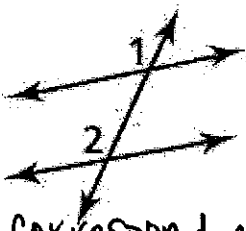
$x = 8 \quad \angle AOB = 30$

$\angle BOC = 50$

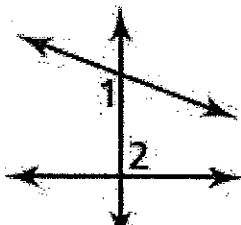
$\angle COD = 30$



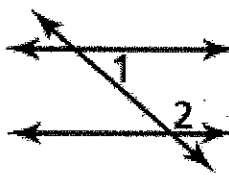
Classify each pair of angles



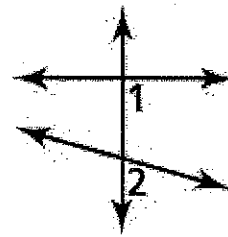
Corresponding



Alt

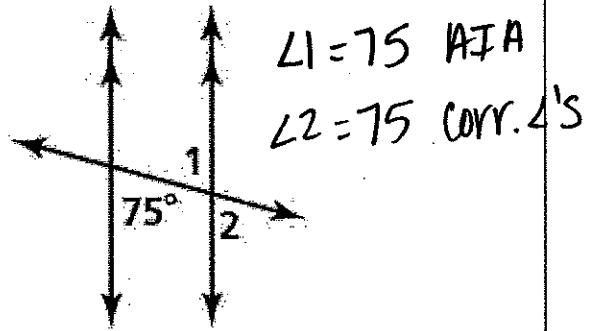
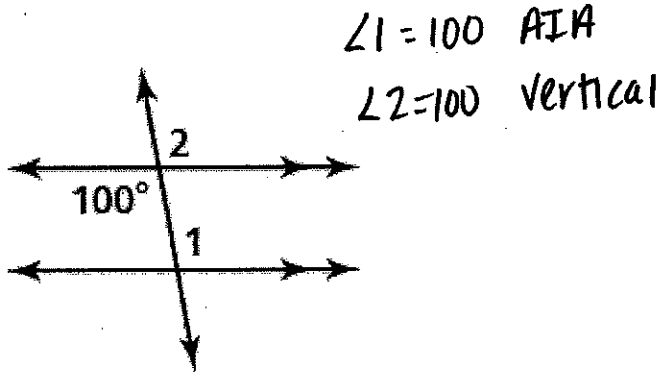


SSI

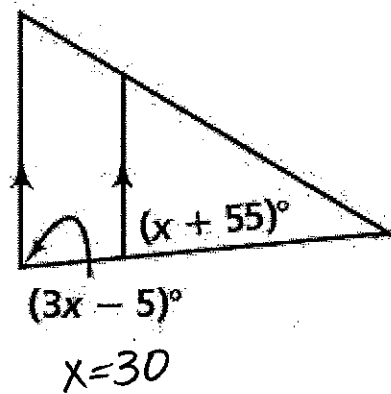
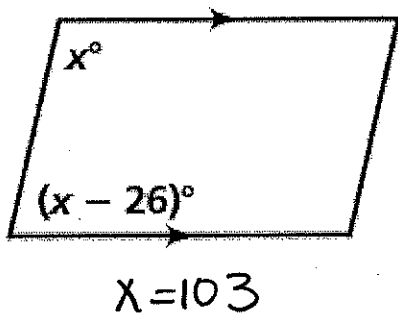


Corresponding

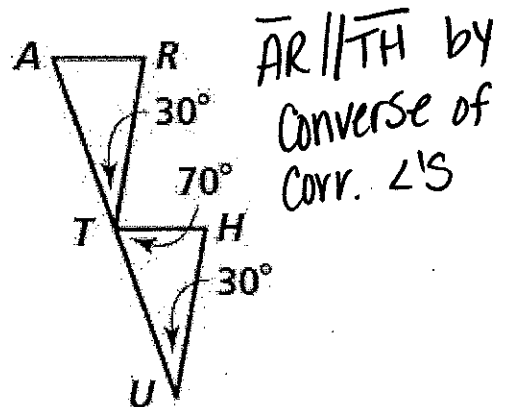
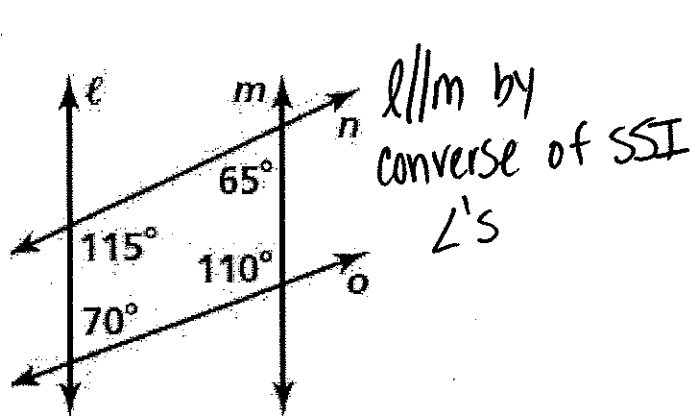
Find the measures of the numbered angles and justify your answers



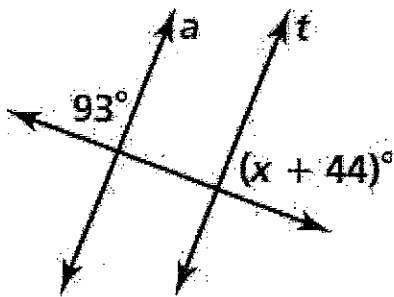
Find the value of x and the measure of the angle.



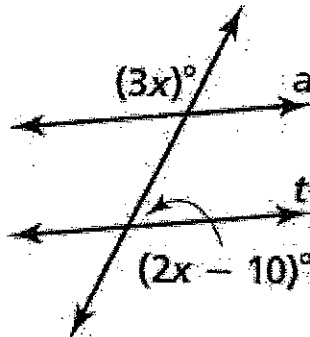
Which lines or segments are parallel? Justify your answer with a theorem or postulate



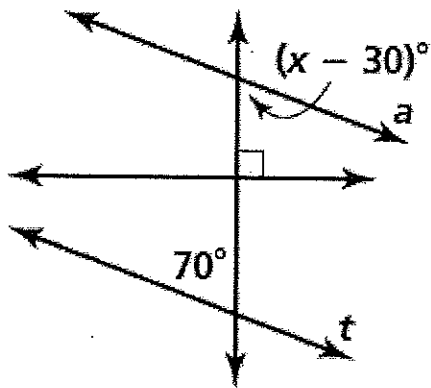
Find the value of x for which $a \parallel t$.



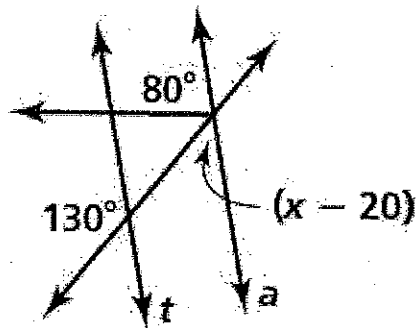
$$x = 43$$



$$x = 38$$



$$x = 100$$



$$x = 70$$

Angle 1 and Angle 2 are complementary.
 Angle 1 = $2x + 7$ and Angle 2 = $4x - 19$. Find the measure of each angle.

$$\angle 1 = 41$$

$$\angle 2 = 49$$

Angle 3 and Angle 4 are supplementary.
 Angle 3 = $5x + 22$ and Angle 4 = $7x + 2$. Find the measure of each angle.

$$\angle 3 = 87$$

$$\angle 4 = 93$$

Find each of the following:

$-x = 8$

-Measure of angle LAT = 155

-Measure of angle TAO = 25

-Measure of angle PAO = 155

