Name: \_

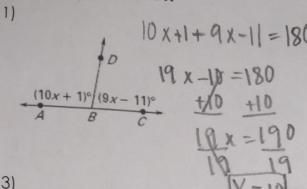
Key

\_\_\_\_\_ Date: \_

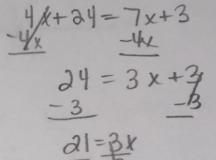
## Unit 2 Part 1 Test Review

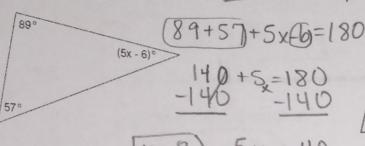
4)

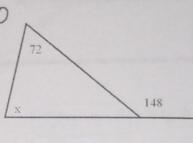
## Missing Angles: Find x

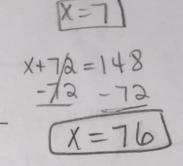


P S  $(4x + 24)^{\circ}$  I  $(7x + 3)^{\circ}$  M









5)  $\angle 1$  and  $\angle 2$  are complementary. Solve for x and the measure of both angles.

$$\angle 1 = 12x + 4$$

$$\angle 2 = 9x + 2$$

$$12x+4+9x+2=90$$

6) The measure of one angle is 38 less than the measure of its supplement.

Find the measure of each angle.

$$2 = x - 38 = 71$$

$$x + x - 38 = 180$$
  
 $2x - 38 = 180$   
 $3x + 38 = 180$ 

7) One of two supplementary angles is 123° less than twice its supplement. Find the measure of both angles.

$$<1 = 2x - 123 = 79$$

$$2x-123+x=180$$
  
 $3x-123=180$   
 $4123$ 

$$\frac{3x}{8} = \frac{303}{3}$$
 x-10

## Parallel Lines:

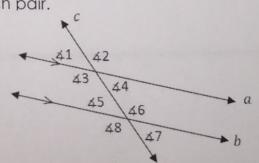
8) Name the angles listed and the special property of each pair.

a) 1 and 25 Corresponding; =

b) 24 and 26 same side interior: 180

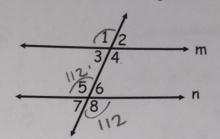
c) 22 and 28 Alt. Exterior - =

d) 24 and 25 Alt. Interior; =

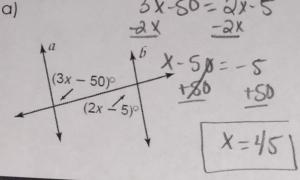


 $_{\alpha}$  m|| n and  $m \angle 8$ , find the measures of all the numbered angles in the figure.

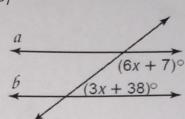
$$m \angle 8 = 112^{\circ}, m \angle 1 = 112, m \angle 2 = 100, m \angle 3 = 100, m \angle 4 = 112, m \angle 5 = 112, m \angle 6 = 100, m \angle 7 = 100,$$



10) Solve for x.



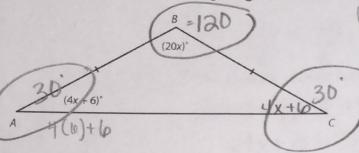
b)



lex+7+3x+38=180

$$9x + 45 = 180$$
 $-45 = -45$ 

11) Solve for x and the missing angles.



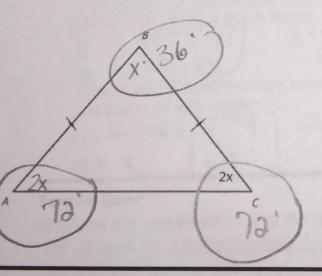
20x + 4x+6+4x+6=180

$$28 \times + 12 = 180$$

$$-12 - 12$$

$$28 \times = 168 \times = 6$$

12) Solve for x and the missing angles.



2x+2x+x= 180

$$\frac{5x = 180}{5}$$