



# Pair of Angles

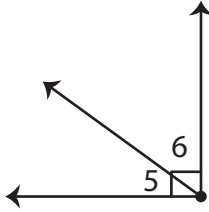
Name \_\_\_\_\_

Score \_\_\_\_\_

PA:39

Find the value of x.

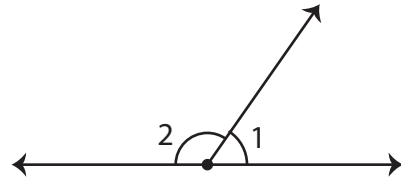
1)



$$m\angle 5 = 36^\circ \quad ; \quad m\angle 6 = (x + 4)^\circ$$

$$x = \text{[ ]}$$

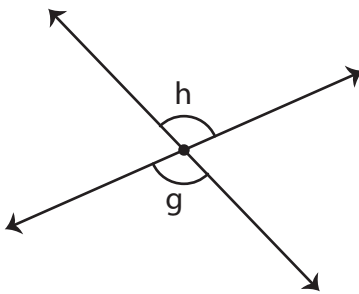
2)



$$m\angle 1 = (11x)^\circ \quad ; \quad m\angle 2 = 125^\circ$$

$$x = \text{[ ]}$$

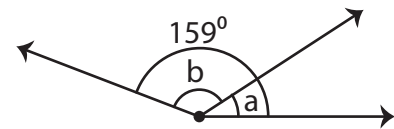
3)



$$m\angle g = (x + 15)^\circ \quad ; \quad m\angle h = (205 - x)^\circ$$

$$x = \text{[ ]}$$

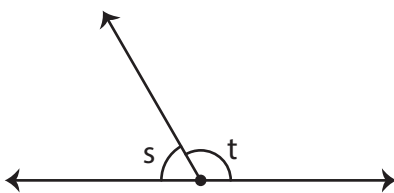
4)



$$m\angle a = (x - 94)^\circ \quad ; \quad m\angle b = (x - 1)^\circ$$

$$x = \text{[ ]}$$

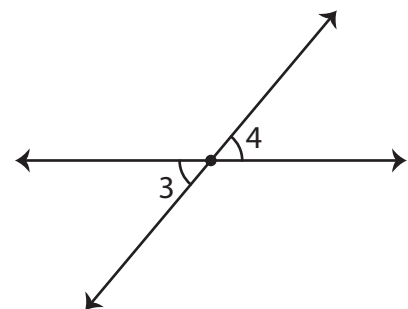
5)



$$m\angle s = (x)^\circ \quad ; \quad m\angle t = (2x)^\circ$$

$$x = \text{[ ]}$$

6)



$$m\angle 3 = 50^\circ \quad ; \quad m\angle 4 = (7x + 1)^\circ$$

$$x = \text{[ ]}$$



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## Answer key

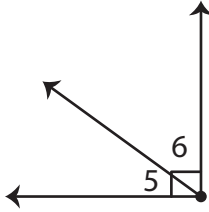
Name \_\_\_\_\_

Score \_\_\_\_\_

PA:39

Find the value of x.

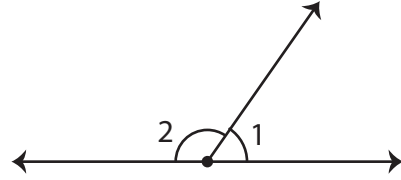
1)



$$m\angle 5 = 36^\circ \quad ; \quad m\angle 6 = (x + 4)^\circ$$

$$x = \mathbf{50}$$

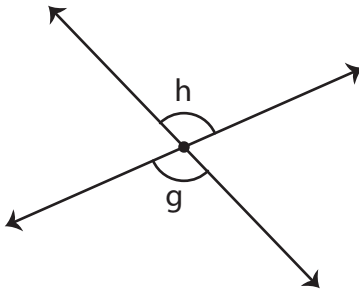
2)



$$m\angle 1 = (11x)^\circ \quad ; \quad m\angle 2 = 125^\circ$$

$$x = \mathbf{5}$$

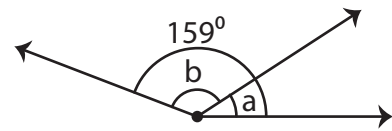
3)



$$m\angle g = (x + 15)^\circ \quad ; \quad m\angle h = (205 - x)^\circ$$

$$x = \mathbf{95}$$

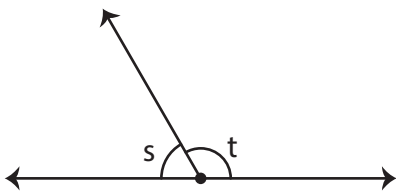
4)



$$m\angle a = (x - 94)^\circ \quad ; \quad m\angle b = (x - 1)^\circ$$

$$x = \mathbf{127}$$

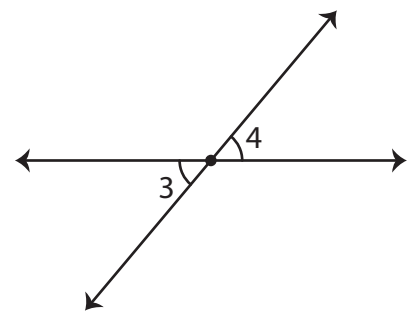
5)



$$m\angle s = (x)^\circ \quad ; \quad m\angle t = (2x)^\circ$$

$$x = \mathbf{60}$$

6)



$$m\angle 3 = 50^\circ \quad ; \quad m\angle 4 = (7x + 1)^\circ$$

$$x = \mathbf{7}$$