

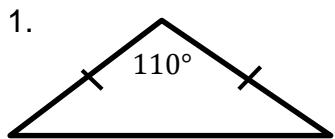
NAME_____

DATE_____

PER._____

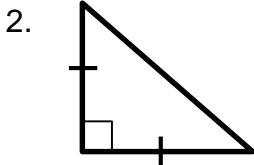
5.1 – Classifying Triangles

Classify each triangle by angles and by sides.



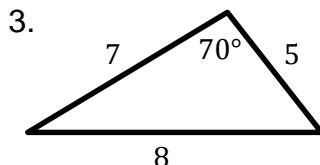
A: _____

S: _____



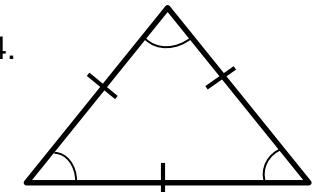
A: _____

S: _____



A: _____

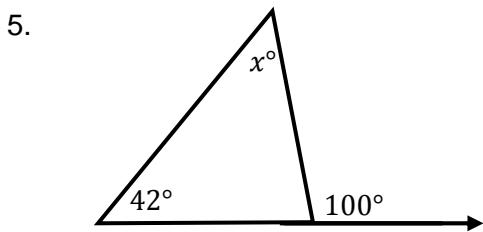
S: _____



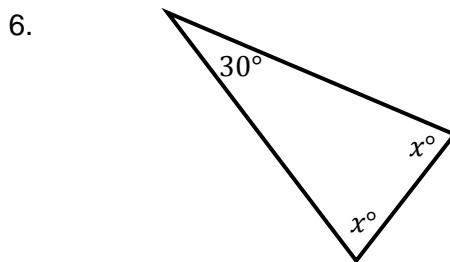
A: _____

S: _____

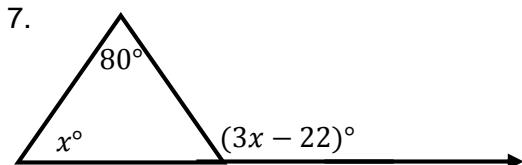
Find the values of the variables.



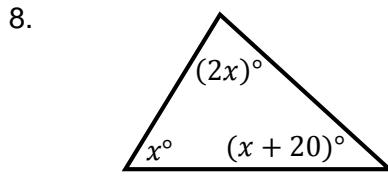
$$x = \underline{\hspace{2cm}}$$



$$x = \underline{\hspace{2cm}}$$

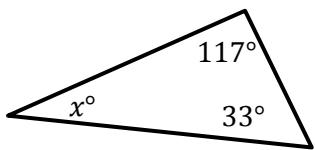


$$x = \underline{\hspace{2cm}}$$



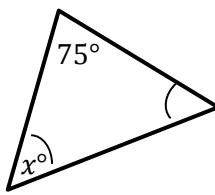
$$x = \underline{\hspace{2cm}}$$

9.



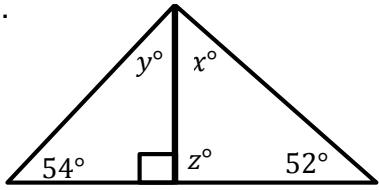
$x = \underline{\hspace{2cm}}$

10.



$x = \underline{\hspace{2cm}}$

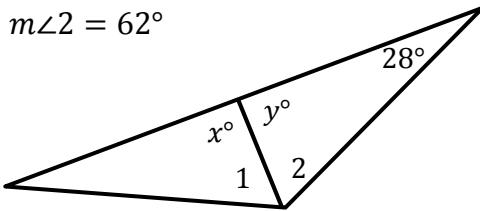
11.



$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

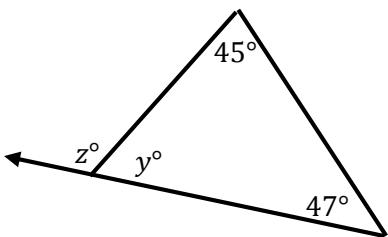
$z = \underline{\hspace{2cm}}$

12. $m\angle 1 = m\angle 2 = 62^\circ$ 

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

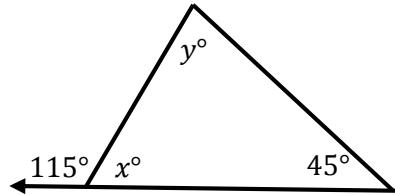
13.



$y = \underline{\hspace{2cm}}$

$z = \underline{\hspace{2cm}}$

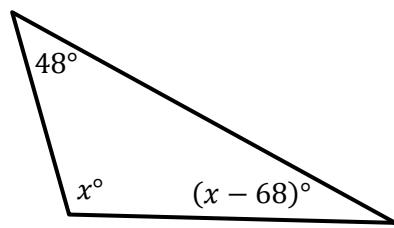
14.



$x = \underline{\hspace{2cm}}$

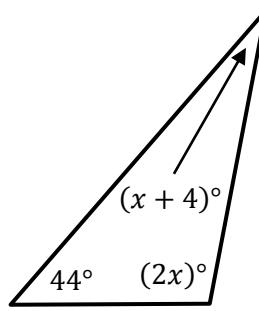
$y = \underline{\hspace{2cm}}$

15.



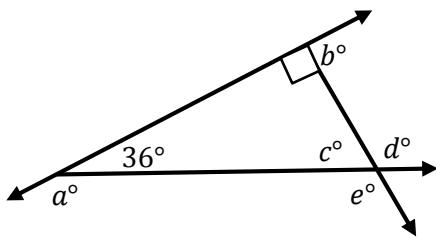
$$x = \underline{\hspace{2cm}}$$

16.



$$x = \underline{\hspace{2cm}}$$

17.



$$a = \underline{\hspace{2cm}}$$

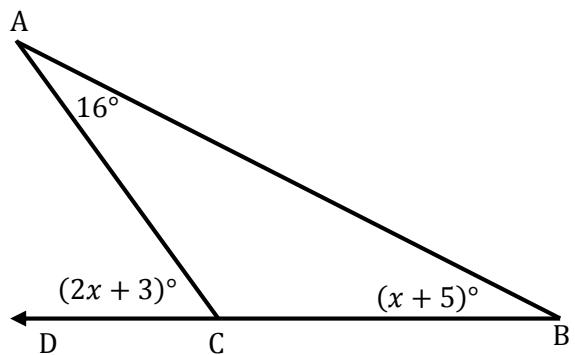
$$b = \underline{\hspace{2cm}}$$

$$c = \underline{\hspace{2cm}}$$

$$d = \underline{\hspace{2cm}}$$

$$e = \underline{\hspace{2cm}}$$

18.



$$x = \underline{\hspace{2cm}}$$

$$m\angle A = \underline{\hspace{2cm}}$$

$$m\angle B = \underline{\hspace{2cm}}$$

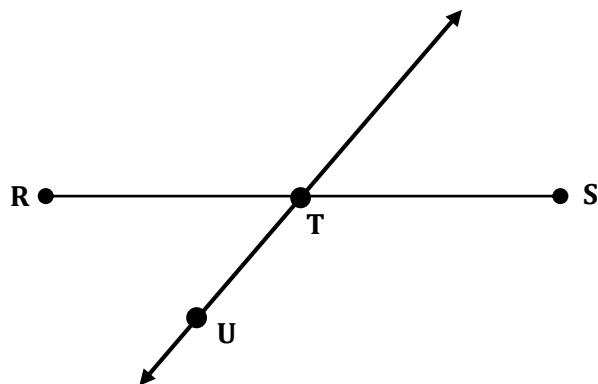
$$m\angle ACB = \underline{\hspace{2cm}}$$

$$m\angle DCA = \underline{\hspace{2cm}}$$

REVIEW PROBLEMS**Solve each of the following.**

19. $x = \underline{\hspace{2cm}}$

\overleftrightarrow{TU} bisects \overline{RS} . If $RS = 7x - 12$ and $RT = 2x + 9$, find the value of ' x '.



20. $x = \underline{\hspace{2cm}}$

Find the value of ' x '.

