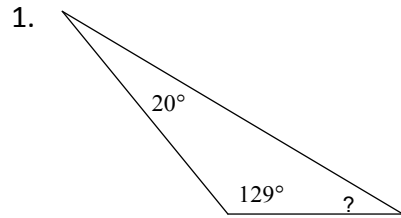


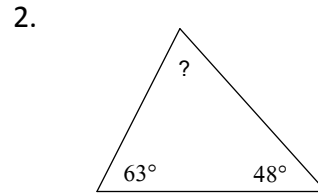
Unit 5: Triangles

Quiz #2 Study Guide

Directions: Find the measure of the indicated angle.

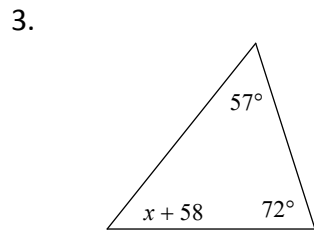


Solution: \_\_\_\_\_

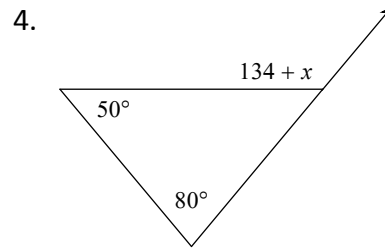


Solution: \_\_\_\_\_

Directions: Solve for  $x$ .

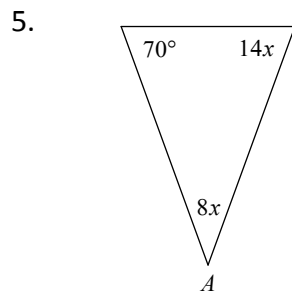


$x =$  \_\_\_\_\_



$x =$  \_\_\_\_\_

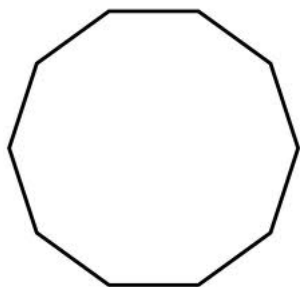
Directions: Find the  $m\angle A$ .



$m\angle A =$  \_\_\_\_\_

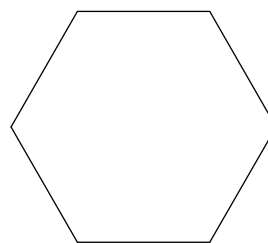
Directions: Each polygon below is **REGULAR**. Find the measure of ***one interior angle***.

6.



Measure of one **interior**  $\angle$  \_\_\_\_\_

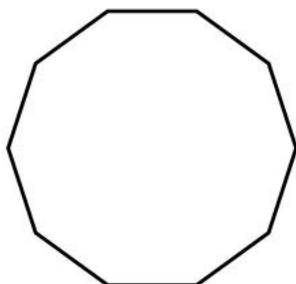
7.



Measure of one **interior**  $\angle$  \_\_\_\_\_

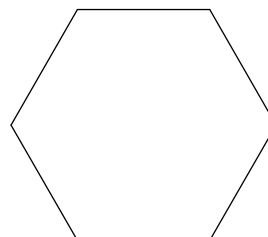
Directions: Each polygon below is **REGULAR**. Find the measure of ***one exterior angle***.

8.



Measure of one **exterior**  $\angle$  \_\_\_\_\_

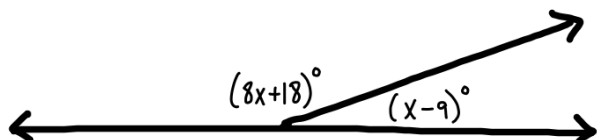
9.



Measure of one **exterior**  $\angle$  \_\_\_\_\_

Directions: Find the measure of  $x$  and the measure of each angle.

10.



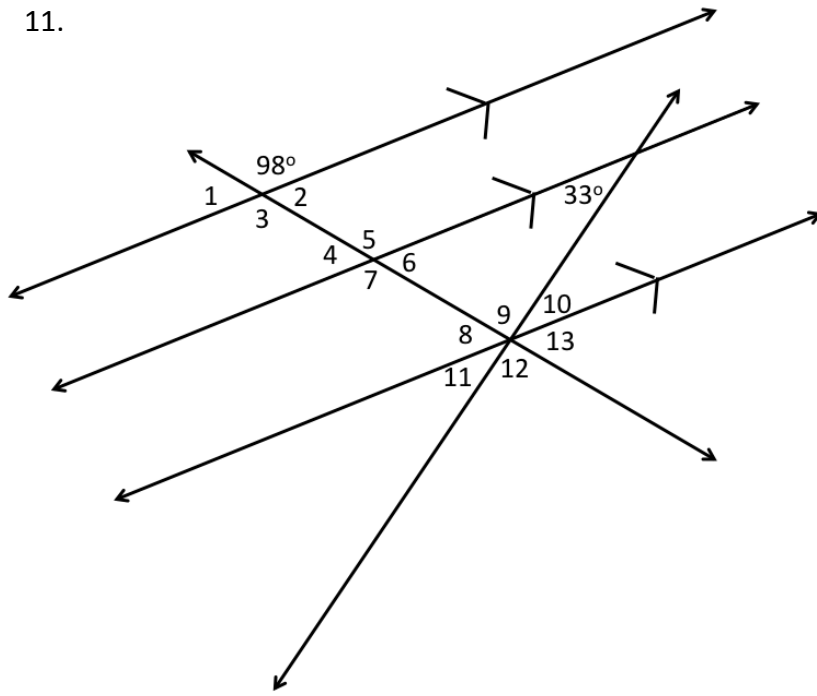
$$x = \underline{\hspace{2cm}}$$

$$x - 9 = \underline{\hspace{2cm}}$$

$$8x + 18 = \underline{\hspace{2cm}}$$

Directions: Use the image below to determine the missing measures for each lettered angle. Write the correct measure in the space provided.

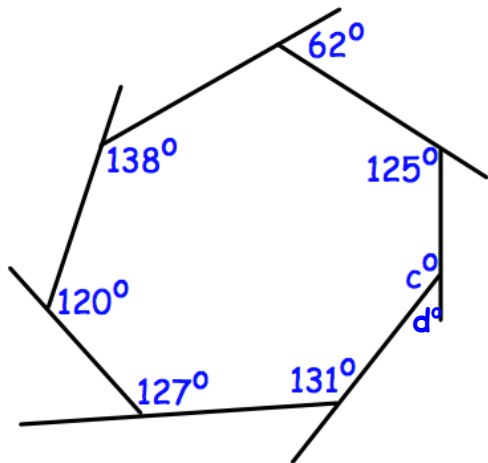
11.



- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 2 = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$
- $m\angle 4 = \underline{\hspace{2cm}}$
- $m\angle 5 = \underline{\hspace{2cm}}$
- $m\angle 6 = \underline{\hspace{2cm}}$
- $m\angle 7 = \underline{\hspace{2cm}}$
- $m\angle 8 = \underline{\hspace{2cm}}$
- $m\angle 9 = \underline{\hspace{2cm}}$
- $m\angle 10 = \underline{\hspace{2cm}}$
- $m\angle 11 = \underline{\hspace{2cm}}$
- $m\angle 12 = \underline{\hspace{2cm}}$
- $m\angle 13 = \underline{\hspace{2cm}}$

Directions: Find the value of both  $c$  and  $d$ .

12.



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