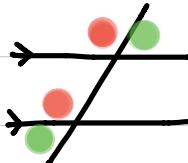
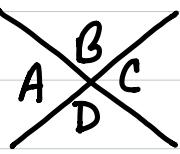


## Vocabulary:

1.  $140^\circ$  and  $40^\circ$  are \_\_\_\_\_ angles.

2.  Red angles are \_\_\_\_\_ angles.  
Green angles are \_\_\_\_\_ angles.

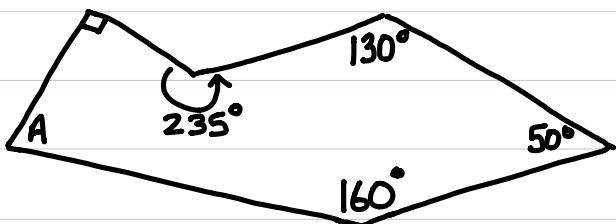
3.  A and C are \_\_\_\_\_ angles.  
D and C are \_\_\_\_\_ and \_\_\_\_\_.

4. Draw a picture of a pair of parallel lines with a transversal.

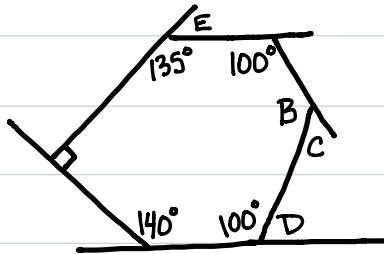
- Mark a pair of Alternate Exterior angles with hashtags (#)
- Mark a pair of Corresponding angles with STARS (★)

5.  $30^\circ$  and  $60^\circ$  are a pair of \_\_\_\_\_ angles.

6. Find the measure of angle A ( $m\angle A = ?^\circ$ )



7. Find the measure of the missing angles.



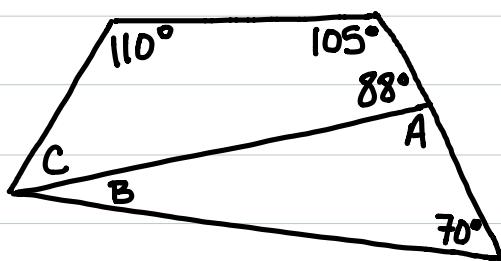
$$m \angle B = \underline{\hspace{2cm}}$$

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

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

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

8.



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

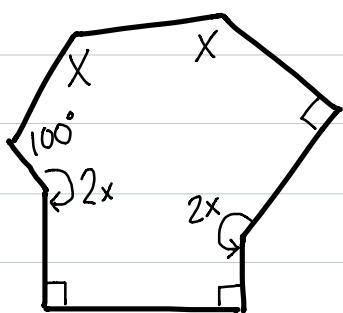
$$m \angle B = \underline{\hspace{2cm}}$$

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

9. What is the measure of one interior angle in a regular nonagon. \_\_\_\_\_

10. What is the measure of one interior angle in a regular 12-gon. \_\_\_\_\_

11.

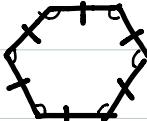


Write an equation: \_\_\_\_\_

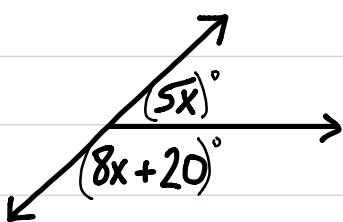
Solve here  $\rightarrow \left\{ \right.$

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

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

12. The measure of one interior angle in the shape to the right is \_\_\_\_\_. 

13.

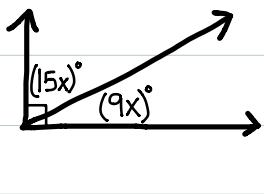


$$x = \underline{\hspace{2cm}}$$

$$(5x)^\circ = \underline{\hspace{2cm}}$$

$$(8x + 20)^\circ = \underline{\hspace{2cm}}$$

14.

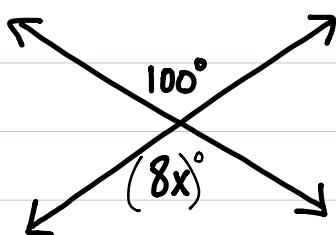


$$x = \underline{\hspace{2cm}}$$

$$(9x)^\circ = \underline{\hspace{2cm}}$$

$$(15x)^\circ = \underline{\hspace{2cm}}$$

15.



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

16. In this last design, fill in all the missing angles.