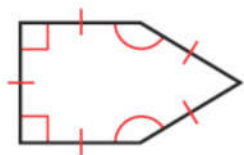
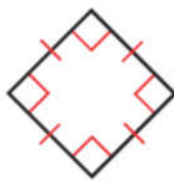


**Is the polygon regular? Write yes or no.**

1.



2.



1. \_\_\_\_\_

2. \_\_\_\_\_

**Find the SUM of the measures of the interior angles of the polygon.**

3.



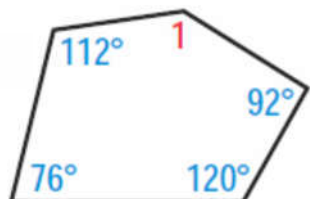
4. A hexagon

3. \_\_\_\_\_

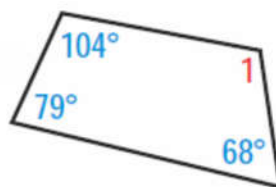
4. \_\_\_\_\_

**Find the measure of  $\angle 1$ .**

5.



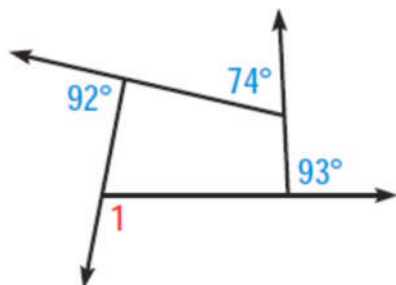
6.



5. \_\_\_\_\_

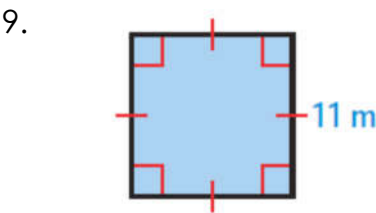
6. \_\_\_\_\_

7.



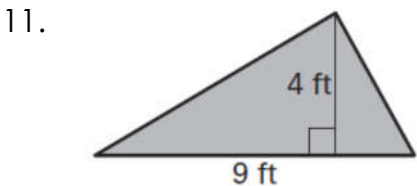
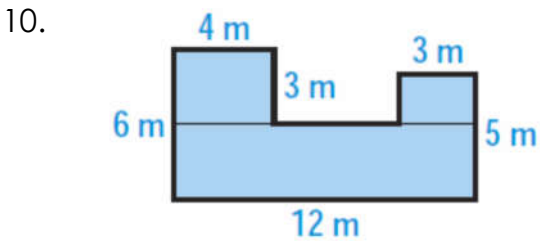
7. \_\_\_\_\_

Find the area of the polygon.



8. \_\_\_\_\_

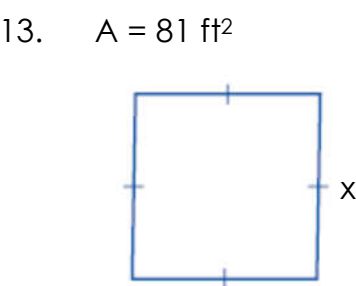
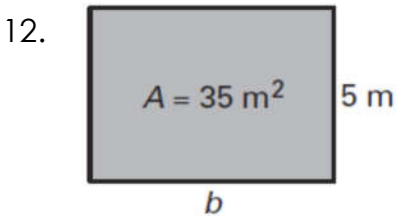
9. \_\_\_\_\_



10. \_\_\_\_\_

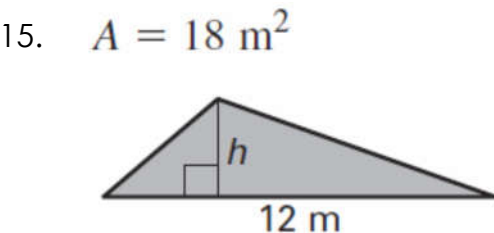
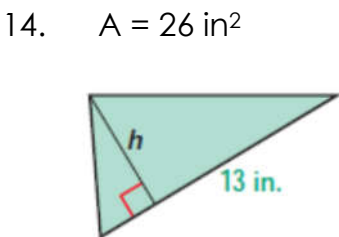
11. \_\_\_\_\_

Find the missing side length.



12. \_\_\_\_\_

13. \_\_\_\_\_



14. \_\_\_\_\_

15. \_\_\_\_\_

16. The scale factor of  $\triangle ABC$  to  $\triangle DEF$  is 3:1.  
What is the ratio of the area of  $\triangle ABC$  to the area of  $\triangle DEF$ ?

16. \_\_\_\_\_