

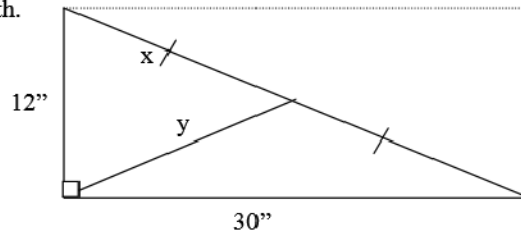
Solve each of the following. Show all work.

1. The measure of one exterior angle of a regular polygon is 20° . What is the sum of the interior angles?
2. The sum of the interior angles of a regular polygon is 1800° . Name the polygon.
3. One of the interior angles of a regular polygon measures 86° . What is the sum of the exterior angles?
4. Four interior angles of a pentagon have measures of 105° , 108° , 95° , and 110° . Find the measure of the fifth angle.
5. Find the measure of one exterior angle of a regular 15-gon.
6. Find the measure of one interior angle of a regular 30-gon.

7. Find x and y to the nearest tenth.

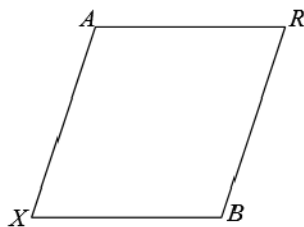
$x =$ _____

$y =$ _____



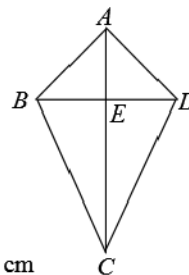
Given the following rhombus and kite, find the area of each figure.

- 8.



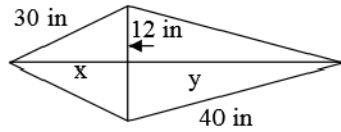
$RX = 16$ cm
 $RB = 10$ cm

- 9.



$BD = 26$ cm
 $AC = 50$ cm

10. Find x , y , and the area of the kite to the nearest tenth.



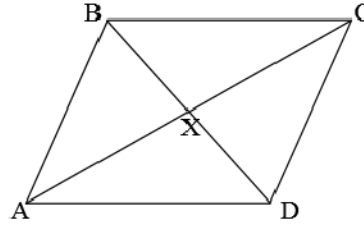
10. $x =$ _____

$y =$ _____

Area = _____

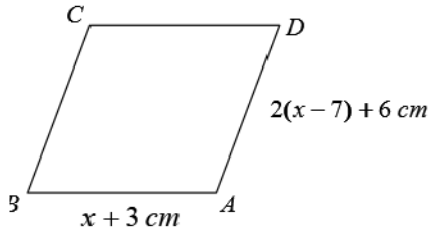
11. Given: ABCD is a parallelogram.

Prove: $\triangle BXC \cong \triangle DXA$



_____	_____
1. ABCD is a parallelogram.	1. Given
2. $\overline{BC} \cong \overline{DA}$	2. _____
3. _____	3. Diagonals of a parallelogram bisect each other.
4. $\overline{AX} \cong \overline{CX}$	4. _____
5. _____	5. _____

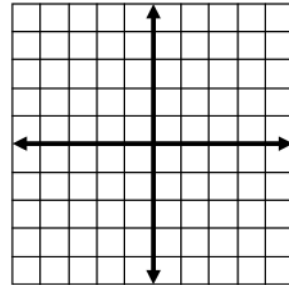
12. A _____ find the perimeter.



13. Using coordinate geometry, determine the most precise name for quadrilateral WXYZ.

(Work space for #13)

W (-1,4) X (2,5)
Y (2,1) Z (-1,2)



The most precise name for quadrilateral WXYZ is _____ because _____
