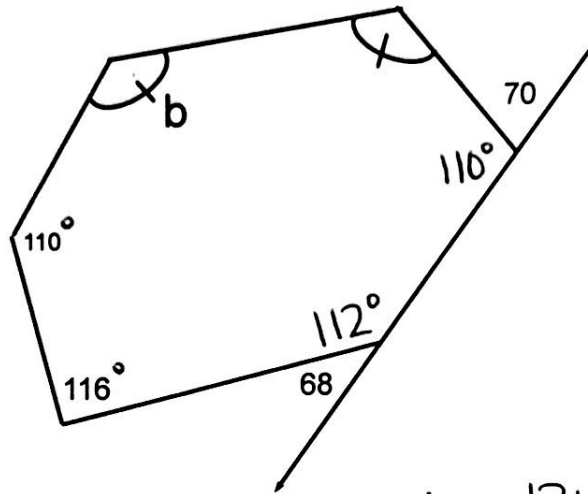


Not drawn to scale!



$$(n-2)180$$

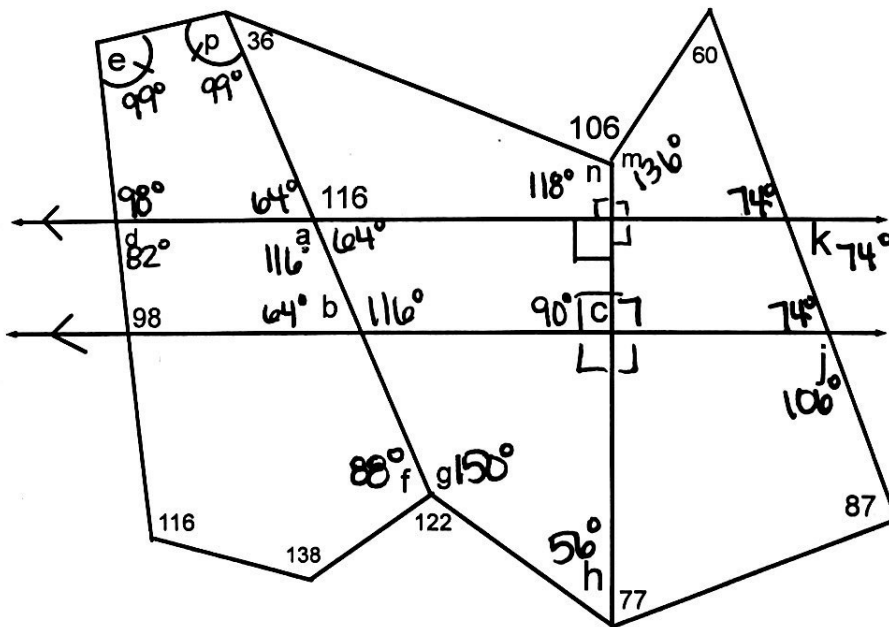
$$4(180) = 720^\circ$$

$$b = \underline{136^\circ}$$

Jan 6-11:25 AM

Not drawn to scale!

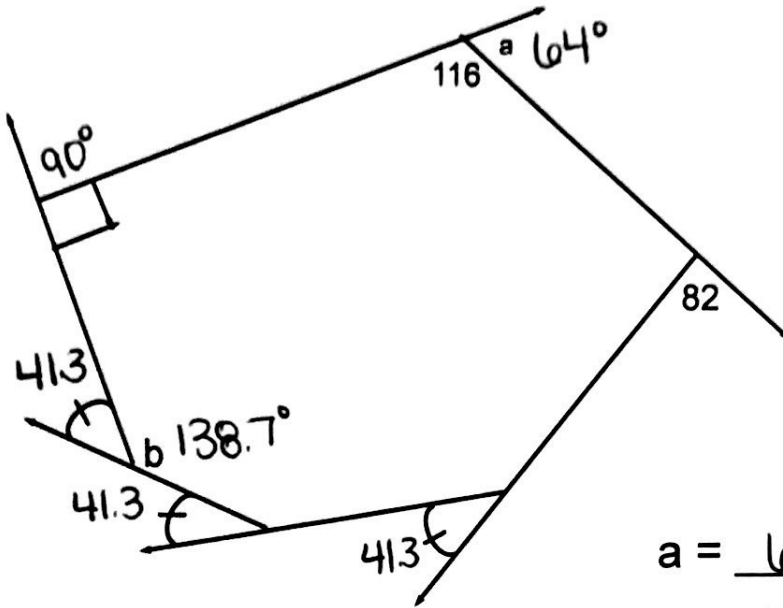
$$(5-2)180 = 540^\circ$$



- a = 116°
- b = 64°
- c = 90°
- d = 82°
- e = 99°
- f = 88°
- g = 150°
- h = 56°
- j = 106°
- k = 74°
- m = 136°
- n = 118°
- p = 99°

Jan 6-11:25 AM

Not drawn to scale!

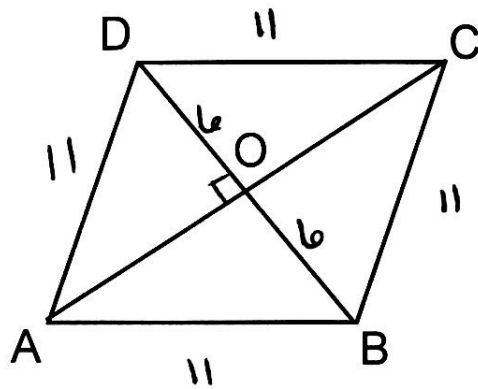


$a = \underline{64^\circ}$

$b = \underline{138.7^\circ}$

Jan 6-11:25 AM

ABCD is a rhombus.



$AD = 11$

$DO = 6$

$OB = \underline{6}$

$BC = \underline{11}$

$m\angle AOD = \underline{90^\circ}$

Jan 6-11:44 AM

One exterior angle of a polygon measures 10 degrees. What is the measure of each interior angle? How many sides does the polygon have?

$$I = 170^\circ$$

$$\frac{360}{n} = 10$$

$$n = 36 \text{ sides}$$

The sum of the measures of the interior angles of a regular polygon is 2340 degrees. How many sides does the polygon have?

$$2340 = (n-2)180$$

$$\begin{array}{r} 13 = n - 2 \\ + 2 \quad + 2 \end{array}$$

Jan 6-11:24 AM

$$n = 15 \text{ sides}$$

How many sides does a regular polygon have if each exterior angle measures 30 degrees?

$$\frac{360}{n} = 30$$

$$n = 12 \text{ sides}$$

How many sides does a polygon have if the sum of the measures of the interior angles is 3960 degrees?

$$3960 = (n-2)180$$

$$\begin{array}{r} 22 = n - 2 \\ + 2 \quad + 2 \end{array}$$

Jan 6-11:25 AM

$$n = 24 \text{ sides}$$

Match the description with ALL the terms that fit!

trapezoid
rectangle
parallelogram
rhombus
square
all quadrilaterals

diagonals bisect each other rectangle, rhombus, //gram, square

measure of interior angles sum to 360 degrees all Qvads.

Diagonals are congruent isos trap, rectangle, square

opposite angles are congruent //gram, rectangle, rhombus, square

Opposite Sides are congruent " "

diagonals are perpendicular bisectors of each other rhombus, square

diagonals are perpendicular rhombus, kite, square

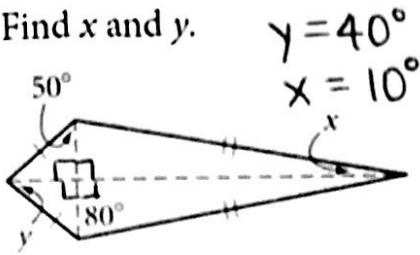
both diagonals bisect angles rhombus, square

Jan 6-11:44 AM

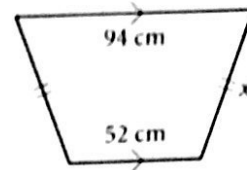
Chapter 5 Review

Name: _____

1.) Find x and y .

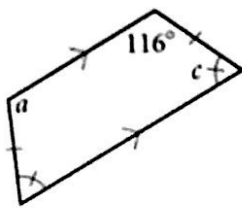


2.) The perimeter is 206 cm. Find x .



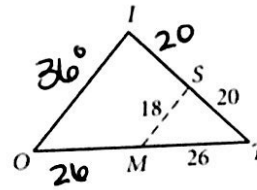
$x = 30^\circ$

3.) Find a and c .



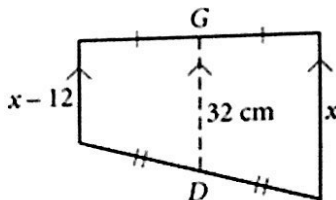
$a = 116^\circ$
 $c = 64^\circ$

4.) \overline{MS} is a midsegment. Find the perimeter of $MOIS$.



perimeter = 100

5.) Find x .

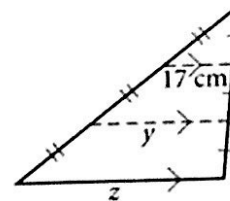


$\frac{x+x-12}{2} = 32$

$x = 38$

$2x-12 = 64$
 $2x = 76$

6.) Find y and z .



$y = 34 \text{ cm}$
 $x = 51 \text{ cm}$

$\frac{17+z}{2} = 34$

$17+z = 68$

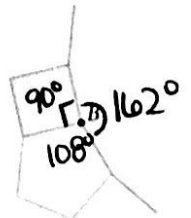
7.) Three regular polygons meet at point B. Only four sides of the third polygon are visible. How many sides does this polygon have?

$162 = \frac{(n-2)180}{n}$

$162n = 180n - 360$
 $-180n \quad -180n$

$-18n = -360$

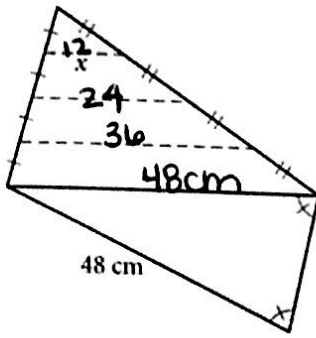
$n = 20 \text{ sides}$



Chapter 5 Review

Name: _____

8.) Find x .



$x = 12 \text{ cm.}$

9.)

Given: Rhombus $DENI$, with diagonal \overline{DN}

Show: Diagonal \overline{DN} bisects $\angle D$ and $\angle N$

Flowchart Proof

