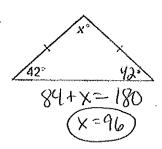
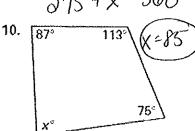
Name	Period There will completing th	Date
1. Given that $PQRS$ is a parallelogram, $PQ = 5$, $PR = 6$, $m \angle Q = 74^\circ$, find the a) $SR = 5$ b) $m \angle R = (0/6)^\circ$ c) $m \angle P = (0/6)^\circ$ d) $m \angle S = (0/6)^\circ$	e following	: 16/3
2. ABCD is a parallelogram. If $BC = 2x + 1$, $CD = 5x - 2$, and $AD = 4x - 1$. $2x + 1 = 4x - 1$ $16 = 2x$	5, find x . e	2x+1 C 5x-2-
3. ABCD is a parallelogram. If $BD = 7y - 9$, $BG = 3y + 3$, find y. $2(3y + 3) = 7y - 9$ $6y + 6 = 7y - 9$ $15 = 4$ ABCD is a parallelogram.	Â	B 3y+3
If $m \angle A = (150-2z)^\circ$, $m \angle B = (3z+10)^\circ$, $m \angle C = (6z-10)^\circ$, find z. $150-2z = (6z-10)^\circ$	Δ	SO-22 32 410
5. A figure with 10 sides is called a <u>decayor</u> . 6. A Heptagon has <u>sides</u> .	D	62-19 C
7. State the number of sides for each of the following polygons.	12	d. 34-gon 34
a. $(3x)^{\circ} \qquad 3x = x + bO \qquad b. \qquad (3x+2)$ $(x + 60)^{\circ} \qquad \chi = 3O \qquad 5x^{\circ}$	0) 3x ·	8x+20=180 8x+20=180 8x=160
9. Find the values of x and y in $\square PQRS$ at the right. What are PR and SQ ? $x+1=y$ $2x=3y-7$ $(x-y)$ $(y-5)$ $2x-3(x+1)-7$ $(x-4)$ $(y-5)$ $(x-3)$ $($	3) y y 2	Q R
ring the sum of the measures of the interior angles of the convex polygon.	12 - 2)	180(15-2)

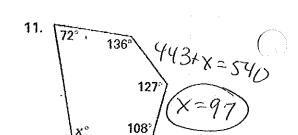
5. hexagon 180(6-2) 6. octagon (180)(8-2) 7. 12-gon 180(12-2) 8. 15-gon 180(15-2) (1800) (1800) (1800) (1800) (1800) (1800)

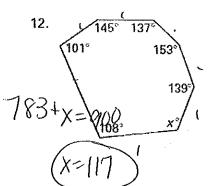
Find the value of x.

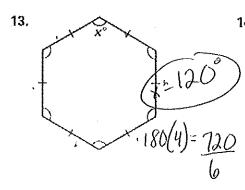


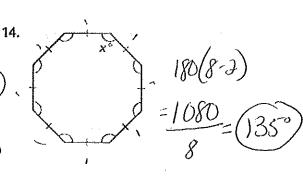












You are given the measure of each interior angle of a regular n-gon. Find the value of n.

18.
$$144^{\circ}$$
 $ext. = 36$
 $\frac{360}{34} = 10$

You are given the measure of each exterior angle of a regular n-gon. Find the value of n.

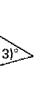
29.

Find the value of x.

$$(12x + 6)^{\circ}$$

$$(3x + 1)^{\circ}$$

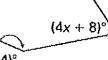
$$(4x - 3)^{\circ}$$



$$(7x + 4)^{\circ}$$
 $(8x + 3)^{\circ}$

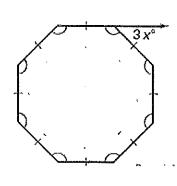








$$(10x - 4)^{\circ}$$
 $1 \times + 4 \qquad 180(5-2)$



$$45 - 5$$

 $X = 15$

$$12x + 6$$
+ 3x + 1
+ 4x - 3
+ 10x + 8
$$29x + 12 = 360$$

$$29x = 348$$

$$x = 12$$