Geometry Review 8.1-8.3

What is the formula to find the sum on the interior angles of a convex polygon?

The sum of the exterior angles of a convex polygon is ALWAYS ____

Find the sum of the measures of the interior angles of the indicated convex polygon.

1.	Decagon	2.	13-gon	3.	hexagon
Classif	y the polygon by the # of	sides i	f the sum of the measur	s of th	e interior angles is given.
	0000	-	0 / 100		10.00

6. 180°	5. 8640°	4. 900°

Find the value of x.

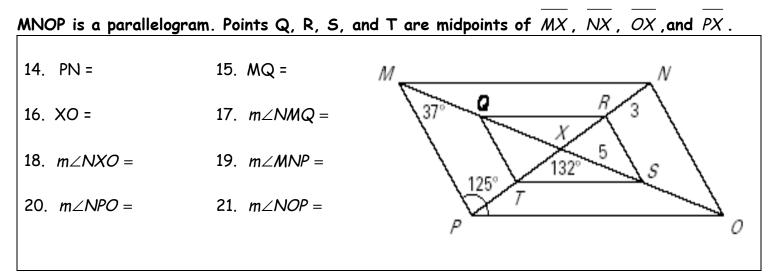
7.	8.	140%
67°	/96°	105° 142°
	96	140°
xe/		124°
	1	88° x°
86° 59°)°/	

Find the measure of an interior angle and an exterior angle of the REGULAR polygon.

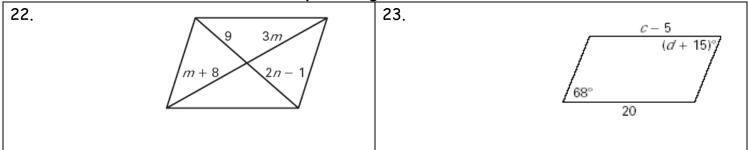
		1 73
9. Regular decagon	10. Regular 30-gon	11. Regular 45-gon

Find the value of n for each regular n-gon described.

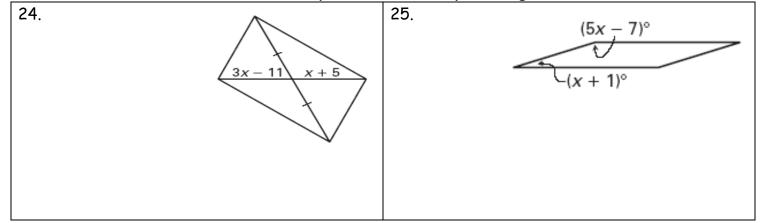
12.	Each i nterior angle of the regular <i>n</i> -gon has a measure of 165°.
13.	Each exterior angle of the regular <i>n</i> -gon has a measure of 40°.



Find the value of each variable in the parallelogram.



Find the values of x that ensure each quadrilateral is a parallelogram.



Draw quadrilateral ABCD in the coordinate plane and then determine whether it's a parallelogram. Explain your reasoning.

26. A(-2, 3) B(3, 2) C(3, -1) D(-2, 0)

