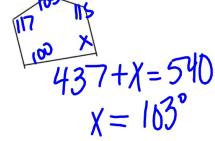
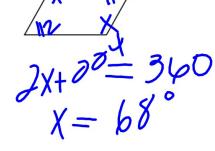
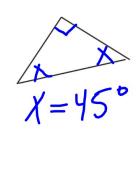
Find the missing angle measures.

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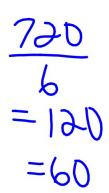
Find the sum of the measures of the angles of each polygon.

- 4. 16-gon
- 5. 72-gon

(16-2).180 (72-2).180 (32-2).180

Find the measure of an interior angle and an exterior angle of each regular polygon.

- 6. Hexagon
- 7. Octagon



The measure of an exterior angle of a regular polygon is given. Find the measure of an interior angle <u>and</u> find the number of sides.

8. Exterior angle = 20

9. Exterior angle = 72

$$\Lambda = 5$$

8. $\frac{(n-2)\cdot 180}{n}$ 9. $\frac{(n-2)\cdot 180}{n}$ 108

109

The sum of the measures of the angles of a polygon with n sides is given. Find n.

$$N-3=30$$

 $N-2=30$

$$(n-2) \cdot 180 = 9720$$

 $n = 56$

Classify each polygon by its sides. Identify each as convex or concave.

12.



13.

