

Find the sum of the interior angles for each polygon below.

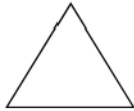
1. nonagon (9 sides) 2. Dodecagon (12 sides) 3. 36-gon

Find the measure of one interior and one exterior angle for the given regular polygons.

4. decagon 5. 45-gon 6. Octagon

Classify each polygon below by (a) the number of sides and (b) regular or non-regular.

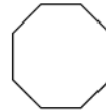
7.



8.



9.



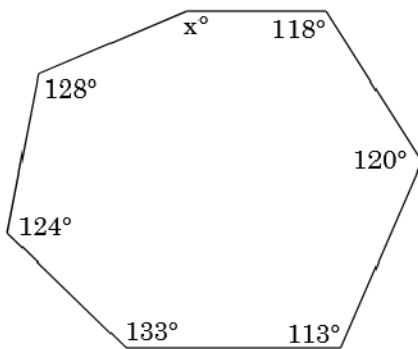
10. One exterior angle of regular polygon is 24° . Find the number of sides of the polygon.

11. One interior angle of a regular polygon is 168° . Find the number of sides of the polygon.

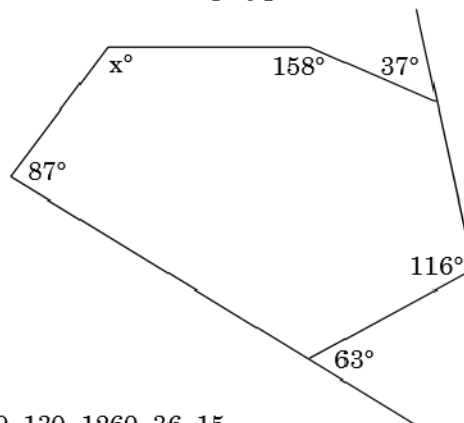
12. A pentagon has four angles with measures 104° , 77° , 95° , and 134° . Find the remaining angle of the polygon.

13. A decagon has 7 angles with a measure of 132° each. If the remaining angles are all equal, find the measure of each of those angles.

14. Find x in the polygon below.



15. Find x in the polygon below.



Selected scrambled ans: 164, 30, 1800, 172, 99, 130, 1260, 36, 15,