

Formulas Review

Sum of Interior Angles of a Polygon: _____

Measure of Each Interior Angle of an Equiangular Polygon: _____

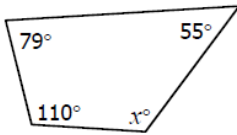
Practice Questions

- | | |
|---|---|
| 1. What is the sum of the measures of the interior angles of a pentagon? | 2. What is the sum of the measures of the interior angles of a 27-gon? |
| 3. What is the measure of each interior angle of a regular octagon? | 4. What is the measure of each interior angle of a regular 20-gon? |
| 5. Five angles of a hexagon measure 119° , 129° , 104° , 139° , and 95° . What is the measure of the sixth angle? | |
| 6. The sum of the interior angles of a polygon is 1620° . How many sides does the polygon have? | |
| 7. The sum of the interior angles of a polygon is 3960° . How many sides does the polygon have? | |
| 8. What is the sum of the measures of the exterior angles of a nonagon? | 9. What is the measure of each exterior angle of a regular 20-gon? |

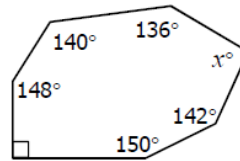
10. If the exterior angle of a regular polygon measures 9° , how many sides does the polygon have?

11. If the interior angle of a regular polygon measures 108° , how many sides does the polygon have?

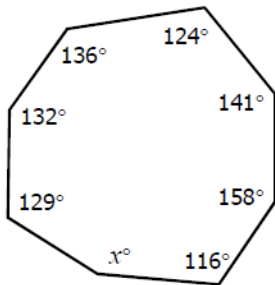
12. Find the value of x .



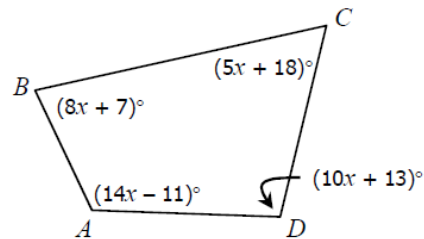
13. Find the value of x .



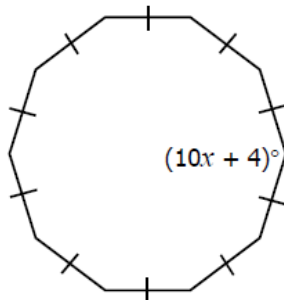
14. Find the value of x .



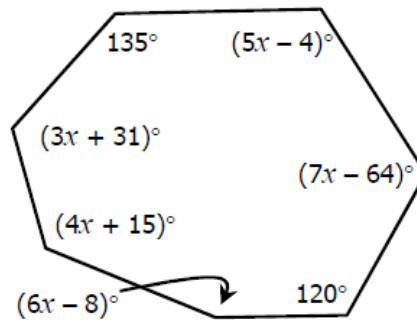
15. Find $m\angle B$.



16. Solve for x .



17. Find the value of x .



18. Find the value of each variable. The hexagon and pentagon are regular.

