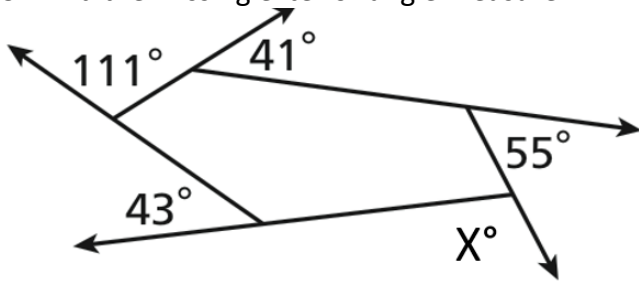


Polygon Angle Sum Practice #1-15

1. Find the sum of the interior angle measures of a convex dodecagon.

2. Find the sum of the interior angle measures of a convex seventeen-gon.

3. Find the missing exterior angle measure.



4.

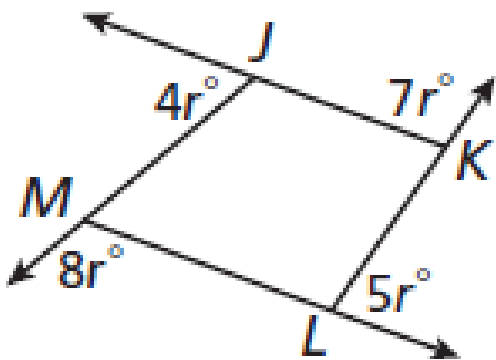
A. Find the measure of each exterior angle of a regular heptagon.

B. What did you need to know in part A to know that each exterior angle would be the same measure?

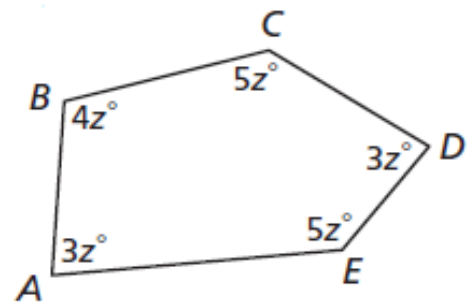
5. Find the measure of each exterior angle of a regular 25-gon.

6. Find the measure of each exterior angle of a regular dodecagon.

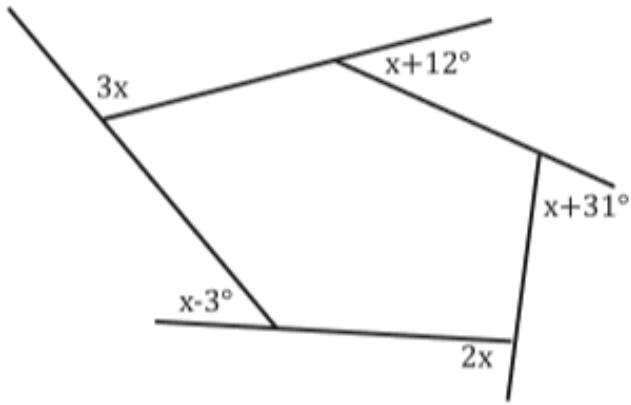
7. Find the value of r in polygon JKLM then find each angle measure.



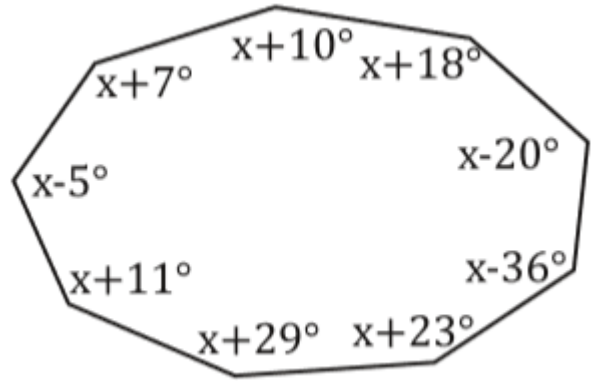
8. Find the measure of each interior angle of pentagon ABCDE.



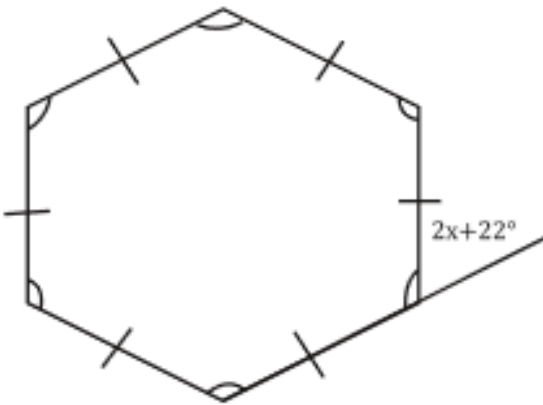
9. Find the measure of each angle in the polygon.



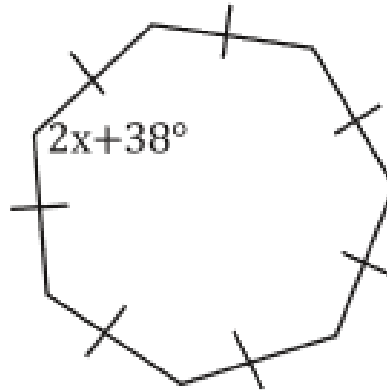
10. Find the measure of each interior angle of the polygon.



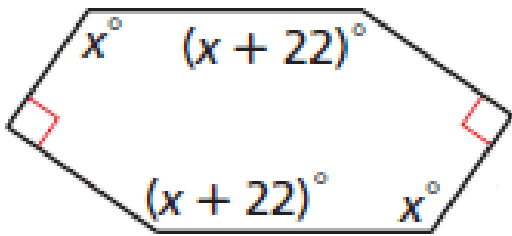
11. Find the value of x .



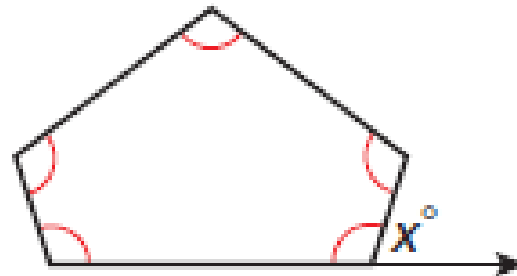
12. Find the value of x .



13. Find the value of x .



14. Find the value of x .



15. Find the number of sides a regular polygon must have to meet the following condition:

Each interior angle measure is four times the measure of each exterior angle.