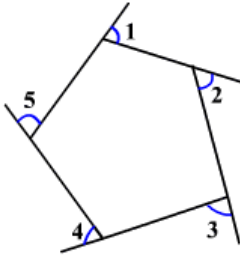


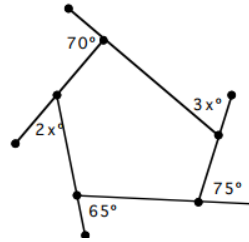
Exterior Angles of Polygons

- The sum of the exterior angles of a polygon is 360° . An interior angle + An exterior angle = 180° .

1. Find $\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5$.



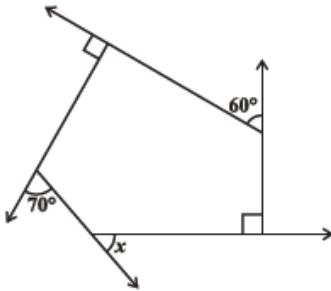
6. Find x and the measure of each exterior angle.



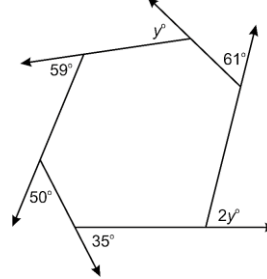
2. What is the measure of an exterior angle of a regular 20 sided figure?

7. A **regular** polygon has an exterior angle of 72° . How many sides does this polygon have?

3. Find x .

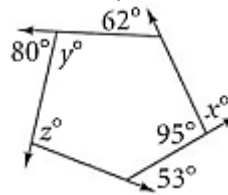


8. Find y and each missing exterior angle.

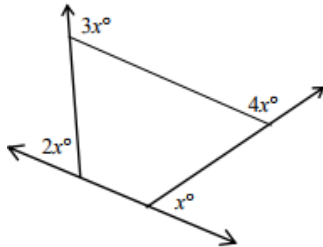


4. A **regular** polygon has an exterior angle of 120° . How many sides does this polygon have?

9. Find x , y and z .



5. Find x and the measure of each angle.



10. Find w and the measure of each angle x , y , z .

