

Exterior Angle Sum in Polygons

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

Use your protractor to find the angle of each exterior angle, then add them up for each polygon

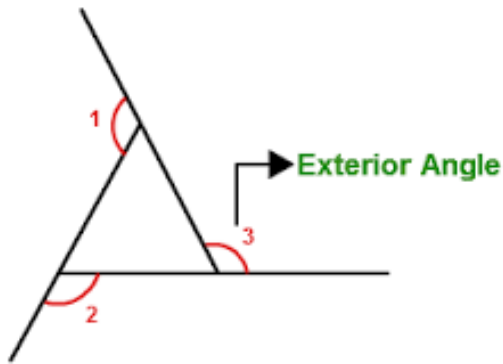


Figure 1

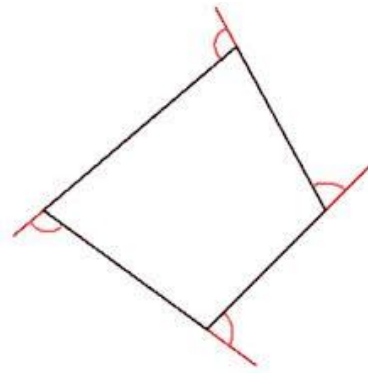


Figure 2

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 =$  \_\_\_\_\_

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 =$  \_\_\_\_\_

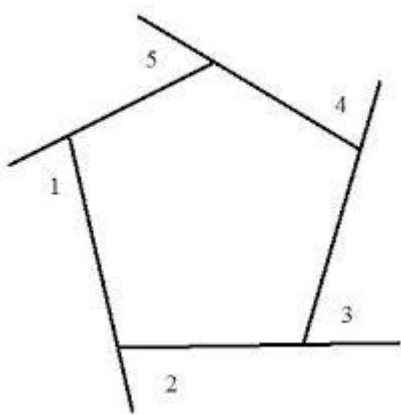


Figure 3

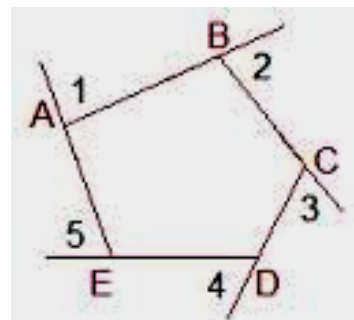


Figure 4

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 5 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 =$  \_\_\_\_\_

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 5 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 =$  \_\_\_\_\_

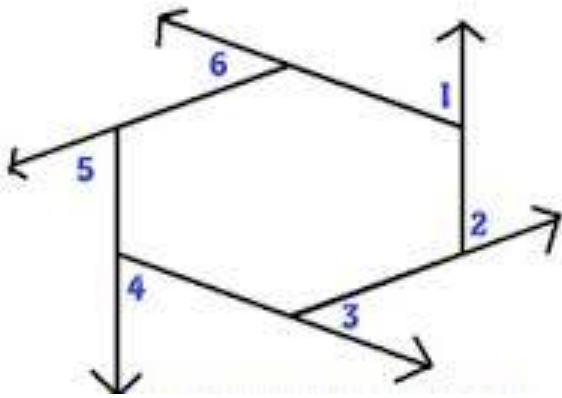


Figure 5

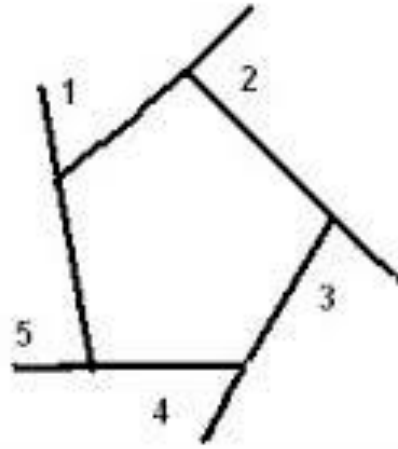


Figure 6

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 5 =$  \_\_\_\_\_

$\angle 6 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 + \angle 6 =$  \_\_\_\_\_

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 5 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 =$  \_\_\_\_\_

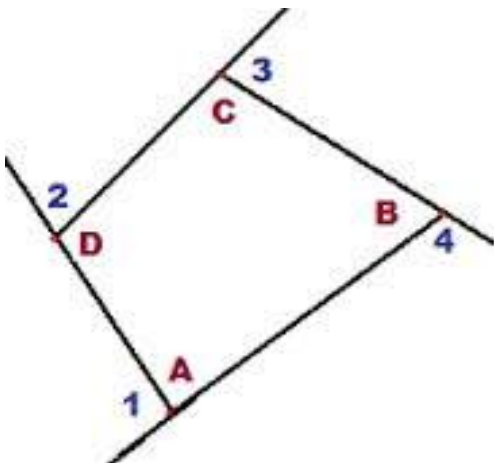


Figure 7

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 =$  \_\_\_\_\_

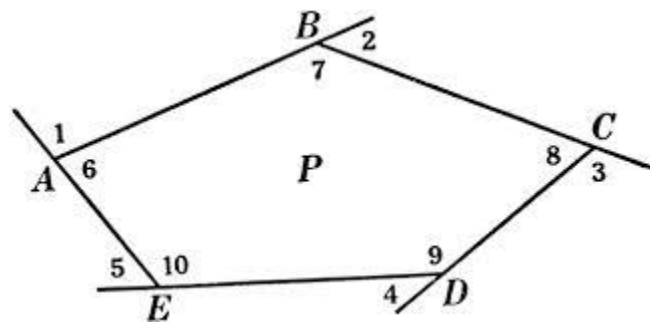


Figure 8

Name the Polygon : \_\_\_\_\_

$\angle 1 =$  \_\_\_\_\_

$\angle 2 =$  \_\_\_\_\_

$\angle 3 =$  \_\_\_\_\_

$\angle 4 =$  \_\_\_\_\_

$\angle 5 =$  \_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 =$  \_\_\_\_\_