The City School  
North Nazimabad Boys Campus  
Grade 7  
Mathematics  
Topic: Angle Properties of Polygons  
Ms. Hira Asad

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Calculate the sum of the interior angles of a polygon with
2. 7 sides
3. 17 sides
4. 22 sides
5. 30 sides
6. Find the number of sides of a polygon if the sum of its interior angles is
7. 1440
8. 2340
9. 3780
10. 6300
11. Find the number of sides of a regular polygon whose interior angle is
12. 90
13. 108°
14. 156°
15. Calculate the size of each interior angle of a regular polygon with
16. 30 sides
17. 16 sides
18. 14 sides
19. 11 side
20. One of the interior angles of a polygon with *n* sides is 124° whereas the other (n – 1) angles are each equal to 142°. Find the value of *n.*
21. Given that the interior angles of a quadrilateral are (2x + 15)°, (2x – 5)°, (3x + 75)° and (3x – 25)°. Calculate
22. X,
23. The smallest interior angle,
24. The smallest exterior angle